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DECEMBER, 1906

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# BULLETIN OF BROWN UNIVERSITY



THE CATALOGUE  
1906-1907



PROVIDENCE  
PUBLISHED BY THE UNIVERSITY  
[APRIL, MAY, JUNE, OCTOBER, DECEMBER, & FEBRUARY]

## CORRESPONDENCE

Correspondence addressed simply to Brown University, Providence, Rhode Island, may be expected to reach the proper department, but in order to avoid delay correspondents are requested to note the following directions:

Communications relating to matters directly in the charge of the Corporation and all correspondence bearing upon the general interests of the University should be addressed to the President.

Requests for the Annual Catalogue and other publications, and inquiries relating to the admission of Undergraduate students should be addressed to the Registrar.

Inquiries concerning scholarships and other matters pertaining to Undergraduate students should be addressed to the Dean of the University.

Inquiries in regard to the Graduate Department should be addressed to the Dean of the Graduate Department.

Inquiries concerning the Women's College should be addressed to the Dean of the Women's College.

Inquiries or information concerning Alumni should be sent to the Keeper of Graduate Records.

# THE CATALOGUE OF BROWN UNIVERSITY

ONE HUNDRED AND FORTY-THIRD YEAR

1906-1907



PROVIDENCE, RHODE ISLAND  
PUBLISHED BY THE UNIVERSITY  
1906

D. B. U'NDIKE, THE MERRYMOUNT PRESS, BOSTON



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# CALENDAR 1906-1907

*Vacations and holidays occurring within the academic year 1906-7 are indicated by dark type.*

1906	1907	1907
<b>JULY</b>	<b>JAN.</b>	<b>JULY</b>
S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7	.. .. <b>I</b> 2 3 4 5	.. 1 2 3 4 5 6
8 9 10 11 12 13 14	6 7 8 9 10 11 12	7 8 9 10 11 12 13
15 16 17 18 19 20 21	<b>13</b> 14 15 16 17 18 19	14 15 16 17 18 19 20
22 23 24 25 26 27 28	<b>20</b> 21 22 23 24 25 26	21 22 23 24 25 26 27
29 30 31 .. . . .	<b>27</b> 28 29 30 31 .. .	28 29 30 31 .. . . .
<b>AUG.</b>	<b>FEB.</b>	<b>AUG.</b>
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5 6 7 8 9 10 11	3 4 5 6 7 8 9	4 5 6 7 8 9 10
12 13 14 15 16 17 18	<b>10</b> 11 12 13 14 15 16	11 12 13 14 15 16 17
19 20 21 22 23 24 25	<b>17</b> 18 19 20 21 <b>22</b> 23	18 19 20 21 22 23 24
26 27 28 29 30 31 ..	<b>24</b> 25 26 27 28 .. .	25 26 27 28 29 30 31
<b>SEPT.</b>	<b>MAR.</b>	<b>SEPT.</b>
.. . . . . . . . 1	.. . . . . . . . 1 2	1 2 3 4 5 6 7
2 3 4 5 6 7 8	3 4 5 6 7 8 9	8 9 10 11 12 13 14
9 10 11 12 13 14 15	<b>10</b> 11 12 13 14 15 16	15 16 17 18 19 20 21
16 17 18 19 20 21 22	<b>17</b> 18 19 20 <b>21</b> <b>22</b> <b>23</b>	22 23 24 25 26 27 28
<b>23</b> 24 25 26 27 28 29	<b>24</b> <b>25</b> <b>26</b> <b>27</b> 28 29 30	29 30 .. . . . . .
<b>30</b> .. . . . . . . .	<b>31</b> .. . . . . . . .	.. . . . . . . . .
<b>OCT.</b>	<b>APR.</b>	<b>OCT.</b>
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7 8 9 10 11 12 13	7 8 9 10 11 12 13	6 7 8 9 10 11 12
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<b>21</b> 22 23 24 25 26 27	<b>21</b> 22 23 24 25 26 27	20 21 22 23 24 25 26
<b>28</b> 29 30 31 .. . . .	<b>28</b> 29 30 .. . . . . .	27 28 29 30 31 .. .
<b>NOV.</b>	<b>MAY</b>	<b>NOV.</b>
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4 5 6 7 8 9 10	5 6 7 8 9 10 11	3 4 5 6 7 8 9
<b>11</b> 12 13 14 15 16 17	<b>12</b> 13 14 15 16 17 18	10 11 12 13 14 15 16
<b>18</b> 19 20 21 22 23 24	<b>19</b> 20 21 22 23 24 25	17 18 19 20 21 22 23
<b>25</b> 26 27 28 <b>29</b> 30 ..	<b>26</b> 27 28 29 <b>30</b> 31 ..	24 25 26 27 28 29 30
<b>DEC.</b>	<b>JUNE</b>	<b>DEC.</b>
.. . . . . . . . <b>I</b>	.. . . . . . . . 1	1 2 3 4 5 6 7
2 3 4 5 6 7 8	2 3 4 5 6 7 8	8 9 10 11 12 13 14
9 10 11 12 13 14 15	9 10 11 12 13 14 15	15 16 17 18 19 20 21
<b>16</b> 17 18 19 20 21 <b>22</b>	<b>16</b> 17 18 19 20 21 22	22 23 24 25 26 27 28
<b>23</b> <b>24</b> <b>25</b> <b>26</b> <b>27</b> <b>28</b> <b>29</b>	<b>23</b> <b>24</b> <b>25</b> <b>26</b> <b>27</b> 28 29	29 30 31 .. . . . . .
<b>30</b> <b>31</b> .. . . . . .	<b>30</b> .. . . . . . . .	.. . . . . . . . .

## THE UNIVERSITY CALENDAR 1906-7

1906

- SEPTEMBER 5. *Wednesday.* Annual Meeting of the Corporation (first Wednesday in September).
- SEPTEMBER 13-17. *Thursday, Friday, Saturday, and Monday.* Examinations for admission to the Freshman class and to advanced standing.
- SEPTEMBER 18. *Tuesday.* Last day for registration and enrolment of Undergraduate Students.
- SEPTEMBER 19. *Wednesday.* ACADEMIC YEAR BEGINS. Last day for registration of Graduate Students.
- SEPTEMBER 29. *Saturday.* Examination in Greek for the President's Premiums.
- OCTOBER 3. *Wednesday.* Examination in Latin for the President's Premiums.
- OCTOBER 6. *Saturday.* Examination in Mathematics for the Hartshorn Premiums.
- OCTOBER 10. *Wednesday.* Examination in French for the President's Premiums.
- NOV. 29-DEC. 1. *Thursday to Saturday.* THANKSGIVING RECESS.
- DECEMBER 13-21. *Thursday to Friday.* Term examinations.
- DEC. 22, 1906 to }  
JANUARY 2, 1907. } *Saturday to Wednesday.* CHRISTMAS RECESS.

1907

- JANUARY 2. *Wednesday.* Last day for enrolment of Undergraduate Students.
- JANUARY 3. *Thursday.* SECOND TERM BEGINS.
- FEBRUARY 22. *Friday.* Washington's Birthday. No University exercises.
- MARCH 12-20. *Tuesday to Wednesday.* Term examinations.
- MARCH 21-27. *Thursday to Wednesday.* SPRING RECESS.
- MARCH 27. *Wednesday.* Last day for enrolment of Undergraduate Students.
- MARCH 28. *Thursday.* THIRD TERM BEGINS.

- APRIL 1. *Monday.* Last day for receiving applications for examination for the degree of Doctor of Philosophy, or of Master of Arts *in absentia*.
- APRIL 2. *Tuesday.* Last day for receiving essays submitted in competition for the Gaston Prize Medal.
- APRIL 30. *Tuesday.* Last day for receiving theses of candidates for the degree of Doctor of Philosophy.
- MAY 1. *Wednesday.* Last day for receiving applications for the Grand Army of the Republic Fellowship. Last day for receiving Commencement orations.
- MAY 7. *Tuesday.* Carpenter Prize Speaking Contest.
- MAY 14. *Tuesday.* Gaston Prize Medal Competition.
- MAY 21. *Tuesday.* Hicks Prize Debate.
- MAY 30. *Thursday.* Memorial Day. No University exercises.
- MAY 31. *Friday.* Last day for examinations for advanced degrees.
- JUNE 6-14. *Thursday to Friday.* Term examinations.
- JUNE 16. *Sunday.* Baccalaureate Sermon: First Baptist Meeting House, 4.30 p.m.
- JUNE 17. *Monday.* Class Day.
- JUNE 18. *Tuesday.* Annual Meeting of the Phi Beta Kappa Society: Administration Building, 9.30 a.m.  
Ivy Day: Pembroke Hall.  
Annual Meeting of the Associated Alumni: Manning Hall, 2.30 p.m.  
Oration before the Phi Beta Kappa Society: Sayles Memorial Hall, 4 p.m.
- JUNE 19. *Wednesday.* ONE HUNDRED AND THIRTY-NINTH ANNUAL COMMENCEMENT (third Wednesday in June): First Baptist Meeting House, 10 a.m.
- JUNE 20. *Thursday.* Meeting of the Corporation.
- JUNE 20-24. *Thursday, Friday, Saturday, and Monday.* Examinations for admission to the Freshman class and to advanced standing.

JUNE 20 to SEPT. 25. SUMMER VACATION.

SEPTEMBER 4. *Wednesday.* Annual Meeting of the Corporation  
(first Wednesday in September).

SEPT. 19, 20, 21, 23. *Thursday, Friday, Saturday, and Monday.* Examinations for admission to the Freshman class and to advanced standing.

SEPTEMBER 23, 24. *Monday and Tuesday.* Registration of new students.

SEPTEMBER 24. Enrolment of students previously in residence.

SEPTEMBER 25. *Wednesday* (fourth Wednesday in September).

ACADEMIC YEAR BEGINS.

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HENRY BARRETT HUNTINGTON, A.B.	16 Young Orchard Avenue
<i>Assistant Professor of English</i>	
ARTHUR HORACE BLANCHARD, C.E., A.M.	62 University Avenue
<i>Associate Professor of Civil Engineering</i>	
ALBERT SWIFT MORSE, A.M.	North Scituate
<i>Assistant Professor of the Romance Languages</i>	
GEORGE PARKER WINSHIP, A.M.	31 Benevolent Street
<i>Librarian of the John Carter Brown Library</i>	
LIDA SHAW KING, A.M.	8 Cushing Street
<i>Dean of the Women's College: Assistant Professor of Classical Philology</i>	
FREDERICK WILLIAM MARVEL, PH.B.	281 Olney Street
<i>Professor of Physical Training</i>	

† On leave of absence during the academic year 1906-7.

JAMES FRANKLIN COLLINS, PH.B.	468 Hope Street
<i>Assistant Professor of Botany and Curator of the Herbarium</i>	
ANSEL BROOKS, PH.B., M.E.	39 Benevolent Street
<i>Assistant Professor of Mechanics and Mechanical Drawing</i>	
CAMILLO VON KLENZE, PH.D.	125 Lloyd Avenue
<i>Professor of the Germanic Languages and Literatures</i>	
LESTER FRANK WARD, A.M., LL.D.	35 Caswell Hall
<i>Professor of Sociology</i>	
CHARLES WILSON BROWN, A.M.	6 Brunonia Hall
<i>Assistant Professor of Geology</i>	
THURSTON MASON PHETTEPLACE, PH.B., M.E.	1612 Broad Street
<i>Assistant Professor of Mechanical Engineering</i>	
HERBERT EUGENE WALTER, PH.D.	53 Arlington Avenue
<i>Assistant Professor of Comparative Anatomy</i>	
CLINTON HARVEY CURRIER, A.M.	17 University Hall
<i>Instructor in Mathematics</i>	
CLARENCE ELNATHAN NORRIS, A.M.	8 Brunonia Hall
<i>Instructor in German</i>	
GEORGE WARRINGTON LATHAM, A.B.	11½ John Street
<i>Instructor in English</i>	
FRANK TAYLOR FULTON, Sc.B., M.D.	169 Angell Street
<i>Instructor in Pathology and Histology</i>	
MICHAEL XAVIER SULLIVAN, PH.D.	6 Brunonia Hall
<i>Instructor in Physiology</i>	
CHARLES HERMAN HUNKINS, A.B.	101 Waterman Street
<i>Instructor in French</i>	
WILLIAM KIRK, PH.D.	102 Bowen Street
<i>Instructor in Political Economy</i>	
WALTER CLARKE PHILLIPS, A.M.	28 Caswell Hall
<i>Instructor in English</i>	
HOWARD BRISTOL GROSE, JR., PH.B.	30 Caswell Hall
<i>Instructor in English</i>	
MAURICE LOUIS DOLT, PH.B.	21 University Hall
<i>Instructor in Chemistry</i>	
ALICE WILSON WILCOX, A.B.	165 Prospect Street
<i>Instructor in Physiology and Household Economics in the Women's College</i>	
GEORGE RUPERT MACMINN, A.B.	28 Caswell Hall
<i>Assistant in English</i>	
GEORGE BARROWS OBEAR, Sc.M.	303 Benefit Street
<i>Assistant in Mathematics</i>	

# OFFICERS OF ADMINISTRATION AND INSTRUCTION 17

HENRY ENGLANDER, A.M. <i>Assistant in Biblical Literature and History</i>	181 Reynolds Avenue
HORACE EDWARD CHANDLER, Sc.B. <i>Assistant in Civil Engineering</i>	71 Doyle Avenue
FREDERICK STEERE BEATTIE, Ph.B. <i>Assistant in Chemistry</i>	48 Hope College
HARRY WORTHINGTON HASTINGS, A.M. <i>Assistant in English</i>	36 Caswell Hall
EDGAR SHEFFIELD BRIGHTMAN, A.B. <i>Assistant in Philosophy and Greek</i>	29 Caswell Hall
ALBERT JOHN LOEPSINGER, Sc.B. <i>Assistant in Mechanical Engineering</i>	39 Atlantic Avenue
GEORGE LAWTON SPENCER, M.E. <i>Assistant in Mechanical Engineering</i>	90 Keene Street
JAY PERKINS, M.D. <i>Demonstrator in Anatomy</i>	106 Waterman Street
THERON CLARK, A.B. <i>Assistant Registrar</i>	134 Benefit Street
EMMA BRADFORD STANTON, A.M. <i>Registrar of the Women's College</i>	Bristol
HENRY DEWEES CADY <i>Instructor in Shop Practice</i>	Warren
EDWIN AYLSWORTH BURLINGAME <i>Superintendent of Grounds and Buildings</i>	359 Brook Street
GEORGE ARNOLD MATTESON, A.B., M.D. <i>Physician to the University</i>	112 Prospect Street
JOHN MILTON BURNHAM, A.M. <i>Assistant Librarian</i>	60 Stewart Street
EARL NORTHUP MANCHESTER, A.B. <i>Reference Librarian</i>	66 Meeting Street
JOSEPH LEWIS WHEELER, Ph.B. <i>Second Assistant Librarian</i>	12 University Hall
JESSIE MAY DOUGLASS, A.B. <i>Cataloguer</i>	46 Olive Street
HELEN CHAPMAN WEBSTER <i>Assistant Cataloguer</i>	10 Hopkins Street
MAUDE EVELYN CLARKE COVELL, A.B. <i>Assistant Librarian of the John Carter Brown Library</i>	32 John Street
MARY DREW VAUGHAN, Ph.B. <i>Keeper of Graduate Records</i>	150 Pitman Street

GENE WILDER WARE, A.B. <i>Organist and Director of Chapel Music</i>	10 Shepard Street
CLARENCE SAUNDERS BRIGHAM, A.B. <i>Archivist</i>	95 Waterman Street
JOHN EDWARDS <i>Assistant in the Ladd Observatory</i>	210 Doyle Avenue

## STANDING COMMITTEES OF THE FACULTY

### ON REGISTRATION AND ATTENDANCE

Dean MEIKLEJOHN, Professors UPTON, RANDALL, DELABARRE, and FOWLER,  
Dean KING, Mr. GUILD.

### ON THE CURRICULUM

Professors POLAND, DAVIS, GARDNER, LANGDON, RANDALL, BRONSON,  
EVERETT, ALLINSON, HILL, MEAD, MEIKLEJOHN, and MACDONALD, Mr. GUILD.

### ON ATHLETIC AND OTHER STUDENT ORGANIZATIONS

Professors DELABARRE, LANGDON, HILL, POTTER, MEIKLEJOHN, and MARVEL.

### ON STUDENT ADVISERS

Professors ALLINSON, POTTER, GREENE, and CROSBY.

## OFFICE HOURS

PRESIDENT: WILLIAM HERBERT PERRY FAUNCE, A.M., D.D., LL.D.

7 Administration Building: 11.30 a.m. to 12.30 p.m., except Mondays and Saturdays.

DEAN OF THE UNIVERSITY: ALEXANDER MEIKLEJOHN, PH.D.

5 Administration Building: 1.30 to 2.30 p.m., except Saturdays.

REGISTRAR, AND SECRETARY OF THE FACULTY

FREDERICK TAFT GUILD, A.M.

4 Administration Building: 8.30 a.m. to 4 p.m.; Saturdays to 1 p.m.

DEAN OF THE GRADUATE DEPARTMENT: CARL BARUS, PH.D.

5 Wilson Hall: 12.20 to 1.20 and 3.20 to 4.20 p.m.

DEAN OF THE WOMEN'S COLLEGE: LIDA SHAW KING, A.M.

Pembroke Hall, Meeting Street: 9.15 to 10.25 a.m.

REGISTRAR OF THE WOMEN'S COLLEGE

EMMA BRADFORD STANTON, A.M.

Pembroke Hall, Meeting Street: 9 a.m. to 1.30 p.m.

LIBRARIAN: HARRY LYMAN KOOPMAN, A.M.

The Library: 9 to 10 a.m., 3 to 4 p.m.



**SECRETARY OF THE TEACHERS' BUREAU**

WALTER BALLOU JACOBS, A.M.

10 Administration Building: *1.30 p.m., Mondays, Wednesdays, and Fridays ;  
10 a.m., Saturdays.*

**SUPERINTENDENT OF GROUNDS AND BUILDINGS**

EDWIN AYLSWORTH BURLINGAME

1 University Hall: *8 to 9 a.m., 1.15 to 2.15 p.m.*

## HISTORY OF BROWN UNIVERSITY

A GENERATION before the establishment of any institution of higher education in Rhode Island, Dean (afterwards Bishop) Berkeley, in pursuance of his cherished design of planting a Christian college in America, chose this colony as his place of residence. Here, at Newport or in its vicinity, he lived for nearly three years, from 1729 to 1731. At the close of this period it became evident that the money which had been voted for the project by the House of Commons would not be paid, and Berkeley reluctantly abandoned his project and returned to England. Though he had no direct relation to the college afterwards established, yet he inspired an interest in higher education among the colonists and thus made easier the success of the later undertaking.

In 1762 the Philadelphia Baptist Association, in view of the disabilities attaching to Baptist students in most of the existing American colleges, welcomed a proposal offered by the Reverend Morgan Edwards, a clergyman of Welsh birth, at that time pastor of the First Baptist Church in Philadelphia, to found in Rhode Island a college that should be under the control of their own denomination. James Manning, who had just been graduated from Princeton, was appointed by the Association as its agent to establish "a seminary of polite literature subject to the government of the Baptists."

In deciding upon the location of the new college, a canvass of the colonies had shown the advantages to be clearly on the side of Rhode Island, which recognized absolute religious liberty, and was, moreover, a Baptist colony in origin and popular attachment. There was no rival institution in the field; and the important cities of Newport and Providence, the former being the second city in New England, furnished an encouraging prospect of future support. Accordingly, in 1764, the friends of the movement obtained from the General Assembly the charter which still remains in force. Although, under the rules of the charter, the President and a majority of both the Fellows and the Trustees must be Baptists, the three important positions of Chancellor, Secretary, and Treasurer are without denominational restriction, and all religious tests and sectarian instruction are strictly prohibited. The institution was known during the first forty years of its existence as Rhode Island College.

As the College was at the beginning without funds, and only a scanty return could be expected from students' fees, it was necessary that the president should support himself and his family by some other means. The founding of a Baptist church in Warren and the call of Mr. Manning to its pastorate offered a solution of the difficulty; and hither Mr. Manning brought his family in the spring of 1764. His first act towards the establishment of a college was the opening of a Latin school. This preparatory school was later removed with the College to Providence, where it flourished for a hundred and forty years under the name of the University Grammar School. At the second meeting of the Corporation, September 4, 1765, Mr. Manning was formally appointed "president of the College, professor of languages and other branches of learning;" the first student had been matriculated the day before. In the following year David Howell was appointed tutor, but no other addition was made to the Faculty until 1774. In 1769 the first class (of seven members) was graduated at Warren. This town had not generally been regarded as the permanent seat of the College, and the necessity which now arose of erecting a college building compelled a final choice of location. After a spirited contest for the honor among the leading towns of the colony, the choice fell upon Providence. Here in 1770 the first college building, the present University Hall, modeled after Nassau Hall at Princeton, and a house for the president were both built on the college grounds, the cost being covered by subscriptions, chiefly from residents of Providence.

In 1771 President Manning was called to the pastorate of the First Baptist Church in Providence; he served the church in this capacity, in addition to his college duties, from that date until the close of his life. In December, 1776, the work of the College was interrupted by the Revolutionary War, and it was not resumed until the fall of 1782, University Hall being used meanwhile as a barrack and hospital for the combined American and French troops. Upon the reorganization of the College important additions were made to the library and the philosophical apparatus. The first college funds, amounting to \$4500, were collected in England and Ireland by the Reverend Morgan Edwards in 1767-8. In the next two years the Reverend Hezekiah Smith obtained subscriptions amounting to \$2500 in South Carolina and Georgia. The former contribution was made a permanent fund; the latter was expended in the construc-

tion of the college buildings. Further gifts were received for a time from the Philadelphia, Charleston, and Warren Baptist Associations, but they appear to have ceased with the outbreak of the Revolutionary War. In 1791, after twenty-nine years of service as founder and director of Rhode Island College, President Manning died. The College had become firmly established, with a graduate roll of one hundred and forty-nine; the last graduating class, that of 1790, had numbered twenty-two. At the time of his death the Faculty consisted of the president, four professors, and two tutors. The discipline during this period had been strict and paternal, the officers of instruction living under the same roof with the students and making frequent visits of inspection to their rooms. President Manning at first taught all the branches studied, but was designated professor of languages, afterwards of moral philosophy. David Howell, his assistant, taught mathematics and natural philosophy, and is said to have taught also French, German, and Hebrew. He was appointed professor of natural philosophy in 1769, and of law in 1790, but never taught the latter subject. Benjamin Waterhouse was appointed professor of natural history in 1784; and Benjamin West, professor of mathematics and astronomy in 1786.

The successor of President Manning was the Reverend Jonathan Maxcy, a graduate in the class of 1787, who had been professor of divinity 1791-2. He served from 1792 until 1802, when he resigned his office to accept the presidency of Union College. During the last year of his administration at Rhode Island College a class numbering twenty-eight was graduated.

The third president of the College, the Reverend Asa Messer, a graduate in the class of 1790, who had served as professor of learned languages 1796-9, and of mathematics and natural philosophy 1799-1802, directed the affairs of the institution from 1802 until his resignation in 1826. During his presidency of twenty-four years the College was greatly expanded. A class numbering forty-eight was graduated in 1825, the Faculty in that year consisting of the president, nine professors, and two tutors. A medical school was established, which existed from 1811 until 1828 and sent out eighty-seven graduates. The special professorships created for the medical school were: materia medica and botany, 1811; anatomy and surgery, 1811; chemistry, 1811; theory and practice of medicine, 1815. A professor of moral philosophy and metaphysics was appointed in 1811; one of oratory and belles-lettres in 1815; and one of the Latin and

Greek languages and literature in 1825. In 1826 the permanent funds of the University amounted to \$31,300.

In 1792 Nicholas Brown, a graduate in the class of 1786, gave \$500 with which to purchase law books for the Library. In 1804 he endowed a professorship of oratory and belles-lettres. In the same year the name of the institution was changed in his honor to Brown University. In 1822 he built Hope College at his own expense, in 1834 Manning Hall, and in 1840 the second president's house. The last-named building has been used since 1899 as a refectory. The total value of Mr. Brown's various gifts to the University was not less than \$160,000. Mr. Brown also served the University in a most efficient way as treasurer 1796-1825. He was trustee 1791-1825, and fellow from 1825 until his death in 1841.

The fourth president, the Reverend Francis Wayland, entered upon his official duties in 1827. He at once raised the standard of scholarship and gradually increased the scope of the instruction. He finally accomplished an entire reorganization of the University on the basis of the elective principle. In accordance with this "New System," the bachelor's degree was given for a three years' course and the master's degree for a four years' course. Graduate study and special study were both encouraged; and the sciences, in accordance with the spirit of the charter, were made prominent in the curriculum. This system was not put into operation until 1850, and was fully in force only until his retirement five years later. The increase in the scope of the curriculum during President Wayland's administration is clearly shown in the following list of subjects to which professors or instructors were assigned at the dates annexed: chemistry, physiology, and geology, 1834; moral and intellectual philosophy, 1834; belles-lettres, 1835; rhetoric, 1837; Hebrew literature, 1838; modern languages and literature, 1843; Greek, 1843; Latin, 1844; French, 1844; history and political economy, 1850; natural philosophy and civil engineering, 1850; chemistry applied to the arts, 1850; rhetoric and English literature, 1851; didactics (*i. e.*, pedagogy), 1851; analytical chemistry, 1854. The influence of President Wayland was felt, not in an increase of the number of students, but in an elevation of the intellectual and moral tone of the institution. Discipline, which had grown lax, was strictly enforced. During his administration the college grounds were laid out, and the Library was placed on a sound financial basis. Rhode Island Hall was erected in 1840 from sub-

scriptions by Rhode Island men and women. The permanent funds were increased to \$200,000. Dr. Wayland resigned the presidency in 1855, having won for the University, by his fame as a writer, thinker, and educational reformer, an enviable distinction both at home and abroad.

The fifth president of the University, the Reverend Barnas Sears, a graduate in the class of 1825, held office from 1855 until 1867, when he resigned the presidency to become general agent of the Peabody Education Fund. During his incumbency the only new subject added to the curriculum was physical geography, in 1864. Although the term of President Sears covered the financial crisis of 1857 and the Civil War, a notable increase was made both in the funds and in the number of students. A system of scholarships was established, and over \$220,000 was collected in subscriptions. The Chemical Laboratory was built in 1862. In the last class that entered under President Sears seventy-three students were enrolled. Three hundred graduates and students of Brown entered the Union service, 1861-5. Of these twenty-one laid down their lives.

The Reverend Alexis Caswell, a graduate in the class of 1822, was the sixth president of the University, his term covering the years 1868-72. Under his administration the department of physics was organized, and the endowment was increased from \$365,000 to a sum exceeding \$550,000.

Upon the resignation of Dr. Caswell, the Reverend Ezekiel Gilman Robinson, a graduate in the class of 1838, became president. Dr. Robinson's presidency extended over the seventeen years 1872-1889. This period was marked by a further increase in the attendance, the class of 1889 being graduated with a membership of fifty-six. The following subjects were added to the curriculum, or were emphasized by the appointment of separate instructors: special branches of agriculture, 1872; zoölogy and agriculture, 1874; physiology, 1874; botany, 1877; zoölogy and geology, 1878; elocution, 1880; astronomy, 1884; logic, 1886; history, 1888; political economy, 1888. The funds were increased to \$980,000, and important additions were made to the buildings. Rhode Island Hall was enlarged in 1875. The Library, the gift of John Carter Brown, of the class of 1816, was built in 1878, and Slater Hall, the gift of Horatio Nelson Slater, in 1879. Sayles Hall, the gift of William Francis Sayles, a memorial to his son, William Clark Sayles, a member of the class of 1878, was built in 1881. University Hall, which had been renovated

in 1850, was again renovated in 1883. Dr. Robinson recognized the fact that a great opportunity for a university existed at Brown, and, though he was not able fully to realize his purposes, he prepared the way for the great enlargement of the institution under his successor. Besides the addition of various courses, a beginning was made in systematic graduate instruction. Dr. Robinson resigned the presidency in 1889.

The eighth president of the University was the Reverend Elisha Benjamin Andrews, a graduate in the class of 1870. With his accession in 1889 the modern life of the University properly begins. In the year preceding his presidency three graduate students were enrolled; in the last year of his term of service the graduate students numbered 101, the total number of students for the same years being, respectively, 268 and 860. The officers of instruction for the corresponding years increased in number from twenty-two to seventy-three. All the old departments were expanded, and the number of departments was increased from sixteen in 1889-90 to twenty-five in 1897-8. The department of philosophy was enlarged by the addition of psychology and pedagogy. American and European history were assigned to separate professors, and political economy was made a department. The departments of Greek literature and history, Roman literature and history, English literature and language, Germanic languages and literatures, and Romance languages and literatures were reorganized and extended. Rhetoric and oratory were made an independent department. The departments of mathematics, mechanical engineering, astronomy, physics (including electrical engineering), chemistry, zoölogy, geology, and anthropology, and botany were extended in scope and thoroughness. New departments were formed for the subjects of social and political science including law, fine arts including the history of art and music, Indo-European philology, Biblical literature and history including the Semitic languages and New Testament Greek, mechanical drawing, civil engineering, comparative anatomy, military science and tactics, and bibliography.

The museum of fine arts was founded in 1889, and that of anthropology in 1891. The funds were increased to \$1,125,685, and important additions were made to the buildings and grounds. In 1891 Hope College was renovated; Wilson Hall, the bequest of George Francis Wilson, was built; the Ladd Observatory was presented to the University by the Honorable Herbert W. Ladd; and the Lyman

Gymnasium, named in honor of its principal donor, was erected. Maxey Hall was built in 1895. Three buildings, known as the Howell, Messer, and Brown Street houses were also secured for dormitory purposes. The old playground of the University, now known as Lincoln Field, was graded and fitted up for ball-games and other athletic purposes in 1889. In 1898 a new athletic field was laid out on Camp Street, a mile and a half from the University. In 1891 the Grand Army of the Republic Fellowship Fund of \$10,000 was given to the University by the Rhode Island Department of that organization.

The Women's College was founded in October, 1891. At first only the privileges of University examinations and certificates of proficiency were granted. In June, 1892, all the College and University degrees and the graduate courses were opened to women. In November, 1897, the institution was accepted by the Corporation and officially designated the Women's College in Brown University. The immediate charge of this department, as of all others in the University, is in the hands of the Corporation. All instruction is given by members of the University Faculty. Pembroke Hall, which was built by the Rhode Island Society for the Collegiate Education of Women, was formally transferred to the University in October, 1897, and was accepted as the recitation hall of the Women's College.

In 1898 Dr. Andrews resigned the presidency to become Superintendent of Schools in Chicago. Dr. Benjamin Franklin Clarke, the senior member of the Faculty, who had served as president *pro tempore* during the absence of Dr. Andrews in Europe in 1896-7, was appointed president *ad interim*, and served during the academic year 1898-9.

The ninth president of the University is the Reverend William Herbert Perry Faunce, a graduate in the class of 1880, who entered upon his official duties on Commencement Day, 1899. At Commencement, 1900, announcement was made of an addition of over a million dollars to the endowment of the University. To this was added a year later a second million, including the endowment of the John Carter Brown Library. In 1900 the Slater Memorial Homestead was presented by Mrs. Horatio N. Slater, as a home for the students of the Women's College. In 1901 the president's house was erected at the corner of Hope and Manning streets. In 1902 the Van Wickle Administration Building was completed, this structure as well as the gates opposite being the bequest of Augustus Stout Van Wickle, of



the class of 1876. In 1904 Rockefeller Hall, the gift of John D. Rockefeller, was opened for the use of the Brown Union, a social organization of students and alumni which was formed in that year. The building is provided with a maintenance fund raised by subscription. In the same year the Engineering Building, on Lincoln Field, Caswell Hall, a dormitory fronting on Thayer Street, and the Colgate Hoyt swimming-pool, the gift of Colgate Hoyt, were erected, and a great organ, the gift of Lucian Sharpe, of the class of 1893, was placed in Sayles Hall. In 1904 the John Nicholas Brown Gate was built as a memorial to the late John Nicholas Brown by his widow. In the same year the Carrie Tower, a clock tower, erected by Paul Bajnotti, of Turin, to the memory of his wife, Carrie Mathilde Brown, was presented to the University. Since 1901 an iron fence with brick and stone posts has been built around the front and the middle campus, each section having been contributed by or in memory of some class. The classes of 1872, 1884, and 1887 have contributed gates. In the summer of 1905 the exterior of University Hall was restored to its original appearance at the expense of Marsden J. Perry. In April, 1906, the funds of the University, exclusive of those pertaining to the John Carter Brown Library, amounted to \$3,150,531.94.

The Library of the University dates from 1767, when the Reverend Morgan Edwards collected books for it in England. The collection was at first kept in University Hall. It was removed to Manning Hall upon the completion of that building in 1835. In 1842 it contained ten thousand volumes, and in 1878, the date of its transference to the present building, it numbered forty-eight thousand volumes. The present number, including the books in the twelve department libraries, but not including the John Carter Brown Library, is about one hundred and forty thousand volumes. Upon the removal of the College to Providence in 1770 the professors and students enjoyed the hospitality of the Providence Library Company, now the Athenaeum, in extension of the scanty resources of the College Library. The Library of the Rhode Island Historical Society and the State Law Library have in later years been most valuable adjuncts to the University Library; and, since the opening of the Providence Public Library in 1878, members of the University have made constant use of its choice and readily available resources. The Library Fund, established under President Wayland, has been supplemented by ten special funds, devoted to the departments of

European history, United States history, mediaeval and church history, botany, the arts of design, biology, the classical languages and literatures, English literature, and American poetry. Gifts of one thousand dollars each were made to the Library in recent years by the classes of 1872, 1884, 1885, 1886, 1887, and 1888, and were of material assistance towards enabling the Library to meet the ever-growing demands made upon it by the work of the University. In 1884, by the will of the Honorable Henry B. Anthony, the Library came into possession of the Harris Collection of American Poetry numbering five thousand volumes, since increased to seven thousand. In 1901 there was presented to the University the John Carter Brown Library, unquestionably the most complete collection in the world on the history of the two Americas down to the end of the eighteenth century. The books were accompanied by gifts of \$500,000 as an endowment and \$150,000 for the erection of a building for their accommodation. The building was dedicated in May, 1904. In October, 1903, the University received by the gift of Marsden J. Perry the Sidney S. Rider Collection of manuscripts, books, and other material, forming a library of the first importance to students of the history of Rhode Island.

At the close of the one hundred and thirty-eighth Commencement of the University in 1906, there were enrolled the names of 6,375 graduates,—5,997 men and 378 women. Of this number 5,611 had received the College or University first degree; 90, exclusive of the foregoing, had received advanced degrees; 69, not previously reckoned, had received the degree of Doctor of Medicine; 605 others had received honorary degrees. Of the entire number, 3,450, or fifty-four per cent., were living.

# THE CHARTER OF BROWN UNIVERSITY‡

**B**Y the Honorable the Governor and Company of the English Colony of Rhode Island and Providence Plantations in New England in America in General Assembly convened at East Greenwich within and for the Colony aforesaid on the last Monday in February One Thousand Seven Hundred and Sixty-four.

*Date of the  
Charter*

*Whereas* Institutions for liberal Education are highly beneficial to Society by forming the rising Generation to Virtue, Knowledge, and useful Literature; and thus

*Preamble*

preserving in the Community a Succession of Men duly qualified for discharging the Offices of Life with Usefulness and Reputation; they have therefore justly merited and received the the Attention and Encouragement of every wise and well regulated State: And whereas a Public School or Seminary, erected for that Purpose within this Colony to which the Youth may freely resort for Education in the vernacular and learned Languages, and in the liberal Arts and Sciences would be for the general Advantage and Honor of the Government: And whereas Daniel Jenckes Esq; Nicholas Tillinghast Esq; Nicholas Gardiner Esq; Col. Josias Lyndon, Col.

*Petition of the  
Undertakers*

Elisha Reynolds, Peleg Thurston Esq; Simon Pease Esq; John Tillinghast Esq; George Hazard Esq; Col. Job Bennet, Nicholas Easton Esq; Arthur Fenner Esq; Mr. Ezekiel Gardiner, Mr. John Waterman, Mr. James Barker Junr, Mr. John Holmes, Solomon Drown Esq; Mr. Samuel Winsor, Mr. Joseph Sheldon, Charles Rhodes Esq; Mr. Nicholas Brown, Col. Barzillai Richmond, Mr. John Brown, Mr. Gideon Hoxsey, Mr. Thomas Eyres, Mr. Thomas Potter, Jun. Mr. Peleg Barker, Mr. Edward Thurston, Mr. William Redwood, Joseph Clarke Esq; Mr. John G Wanton, and Mr. Thomas Robinson with many other Persons, appear as Undertakers in the valuable Design: And thereupon a Petition hath been preferred to this Assembly, praying that full Liberty and Power may be granted unto such of them, with others, as are hereafter

‡ *With the exception of the marginal analysis and the notes, this reprint is an exact copy of the original charter engrossed on parchment, preserved in the archives of the University.*

mentioned, to found, endow, order, and govern a College or University, within this Colony; and that, for the more effectual Execution of this Design, they may be incorporated into one Body Politic, to be known in the Law, with the Powers, Privileges, and Franchises, necessary for the Purpose aforesaid.

*Now therefore know ye*, That being willing to encourage

*Original Corporators*

and patronize such an honorable and useful Institution, we the said Governor and Company, in General Assembly convened, Do, for ourselves and our Successors, in and by Virtue of the Power and Authority, within the Jurisdiction of this Colony, to us by the Royal Charter granted, and committed, Enact, Grant, Constitute, Ordain, and Declare, And it is hereby Enacted, Granted, Constituted, Ordained and Declared, That the Hon. Stephen Hopkins Esq; the Hon. Joseph Wanton Jun. Esq; the Hon. Samuel Ward Esq; the Hon. William Ellery Esq; John Tillinghast Esq; Simon Pease Esq; James Honyman Esq; Nicholas Easton Esq; Nicholas Tillinghast Esq; Darius Sessions Esq; Joseph Harris Esq; Francis Willet Esq; William Logan Esq; Daniel Jenkes Esq; George Hazard Esq; Nicholas Brown Esq; Jeremiah Niles Esq; Joshua Babcock Esq; Mr. John G Wanton, the Rev. Edward Upham, the Rev. Jeremiah Condy, the Rev. Marmaduke Brown, the Rev. Gardner Thurston, the Rev. Ezra Stiles, the Rev. John Greaves, the Rev. John Maxson, the Rev. Samuel Winsor, the Rev. John Gano, the Rev. Morgan Edwards, the Rev. Isaac Eaton, the Rev. Samuel Stillman, the Rev. Samuel Jones, the Rev. James Manning, the Rev. Russel Mason, Col. Elisha Reynolds, Col. Josias Lyndon, Col. Job Bennet, Mr. Ephraim Bowen, Joshua Clarke Esq; Capt. Jonathan Slade, John Taylor Esq; Mr. Robert Shettell Jones, Azariah Dunham Esq; Mr. Edward Thurston Junr. Mr. Thomas Eyres, Mr. Thomas Haszard, and Mr. Peleg Barker, or such, or so many of them as shall, within Twelve Months from the Date hereof, accept of this Trust, and qualify themselves as herein after directed, and

*Name*

their Successors, shall be forever hereafter One Body Corporate and Politic, in Fact and Name, to be known in Law by the Name of Trustees and Fellows of the College or University, in the English Colony of Rhode Island, and Providence Plantations in New England, in America; the Trustees and Fellows at any Time hereafter, giving such more particular Name to the Col-

lege, in Honor of the greatest and most distinguished Benefactor, ‡ or otherwise, as they shall think proper: Which Name, so given, shall, in all Acts, Instruments and Doings of said Body Politic, be superadded to their Corporate Name aforesaid, and become a Part of their legal Appellation by which it shall be forever known and distinguished: And that, by the same Name, they and their Successors, chosen by themselves as hereafter prescribed, shall, and may, have perpetual Succession; and shall, and may be Persons able and capable, in the Law, to sue and be sued, to plead and to be impleaded, to answer and to be answered unto, to defend and to be defended against, in all and singular Suits, Causes, Matters, Actions and Doings, of what Kind soever: And also to have, take, possess, purchase, acquire, or otherwise receive and hold Lands, Tenements, Hereditaments, Goods, Chattles, or other Estates; of all which they may, and shall stand and be seized, notwithstanding any Misnomer of the College, or the Corporation thereof; and by whatever Name, or however imperfectly the same shall be described in Gift, Bequests, and Assignments, provided the true Intent of the Assignor or Benefactor be evident:

*Powers of  
Corporation*

‡ *The following is an extract from the records of a meeting of the Corporation held September 6, 1804:*

**A** LETTER from Mr. Nicholas Brown, dated on this present day, having been read in the following words, to—wit:

*Gentlemen:*

*PROVIDENCE, September 6, 1804.*

**I**T is known to you that I have long had an attachment to this institution as the place where my deceased brother Moses and myself received our education. This attachment derives additional strength from the recollection that my late honored Father was among the earliest, and most zealous patrons of the College; and is confirmed by my regard to the cause of Literature in general. Under these impressions I hereby make a donation of Five Thousand Dollars to Rhode Island College, to remain in perpetuity as a fund for the establishment of a Professorship of Oratory and Belles Lettres. The money will be paid next Commencement and is to be vested in such funds as the Corporation shall direct for its augmentation to a sufficiency in your judgment to produce a competent annual Salary for the within mentioned Professorship.

I am very respectfully, Gentlemen, with my best wishes for the prosperity of the College, your obedient friend,

NICHOLAS BROWN.

*Honored Corporation of Rhode Island College.*

**I**T is therefore voted: That the thanks of this Corporation be presented to Mr. Nicholas Brown for the aforesaid Donation, and it is further Voted, That this College be called and known in all future time by the Name of Brown University in Providence in the State of Rhode Island and Providence Plantations.

Also the same to grant, demise, aliene, lease, use, manage and improve according to the Tenor of the Donations, and to the Purposes, Trusts, and Uses to which they shall be seized thereof.  
*To found,* And full Liberty, Power, and Authority is hereby granted unto the said Trustees and Fellows, and their Successors, to found a College, or University, within this Colony, for promoting the liberal Arts, and universal Literature: And with  
*endow* the Monies, Estates, and Revenues, of which they shall from Time to Time become legally seized as aforesaid, to endow the same: And erect the necessary Buildings and Edifices thereof  
*and govern* on such Place within this Colony as they shall think  
*the College* convenient: And generally to regulate, order, and govern the same, appoint officers, and make Laws, as herein after prescribed; and hold, use, and enjoy all the Liberties, Privileges, Exemptions, Dignities and Immunities, enjoyed by any College, or University, whatever.

*And furthermore,* That the said Trustees and Fellows, and their Successors, shall, and may, forever hereafter  
*Seal* have a Publick Seal to use for all Causes, Matters, and Affairs, whatever, of them and their Successors, and the same Seal to alter, break, and make anew, from Time to Time, at their Will and Pleasure; which Seal shall always be deposited with the President, or Senior Fellow.

*And furthermore,* By the Authority aforesaid, It is hereby Enacted, Ordained and Declared, That it is now,  
*Corporation* and at all Times hereafter shall continue to be the  
*with two* unalterable Constitution of this College, or University,  
*branches* that the Corporation thereof shall consist of Two Branches, to wit: That of the Trustees, and that of the Fellowship, with distinct, separate, and respective Powers: And that the Number of the Trustees shall, and may be Thirty-six; of which  
*Number and* Twenty-two shall forever be elected of the Denomination  
*denomination* called Baptists, or Antipædobaptists; Five  
*of the Trustees* shall forever be elected of the Denomination called Friends, or Quakers; Four shall forever be elected of the Denomination called Congregationalists, and Five shall forever be elected of the Denomination called Episcopalians: And that the Succession in this Branch shall be forever chosen and filled up from the respective Denominations in this Proportion, and according to these Num-

bers; which are hereby fixed, and shall remain to Perpetuity immutably the same. And that the said Stephen Hopkins, Joseph Wanton, Samuel Ward, William Ellery, John Tillinghast, Simon Pease, James Honyman, Nicholas Easton, Nicholas Tillinghast, Darius Sessions, Joseph Harris, Francis Willett, Daniel Jenckes, George Hazard, Nicholas Brown, Jeremiah Niles, John G. Wanton, Joshua Clarke, Gardner Thurston, John Greaves, John Maxson, John Gano, Samuel Winsor, Isaac Eaton, Samuel Stillman, Russel Mason, Elisha Reynolds, Josias Lyndon, Job Bennet, Ephraim Bowen, John Taylor, Jonathan Slade, Robert Shettell Jones, Azariah Dunham, Edward Thurston Junr, and Peleg Barker, or such, or so many of them as shall qualify themselves as aforesaid, shall be, and they are hereby declared and established the first and present Trustees. And that the Number of the Fellows, inclusive of the President (who shall always be a Fellow) shall and may be Twelve; of which Eight shall be forever elected of the Denomination called Baptists, or Antipædobaptists; and the rest indifferently of any or all Denominations. And that the Rev. Edward Upham, the Rev. Jeremiah Condy, the Rev. Marmaduke Brown, the Rev. Morgan Edwards, the Rev. Ezra Stiles, the Rev. Samuel Jones, the Rev. James Manning, William Logan Esq; Joshua Babcock Esq; Mr Thomas Eyres, and Mr. Thomas Haszard, or such, or so many of them as shall qualify themselves as aforesaid, shall be, and they are hereby declared the first and present Fellows and Fellowship, to whom the President, when hereafter elected, (who shall forever be of the Denomination called Baptists or Antipædobaptists) shall be joined to compleat the Number.

*Original Trustees*

*Number and denomination of the Fellows*

*Original Fellows*

*And furthermore,* It is Declared and Ordained, That the Succession in both Branches, shall at all Times hereafter be filled up and supplied according to these Numbers, and this established and invariable Proportion from the respective Denominations by the separate Election of both Branches of this Corporation, which shall at all Times sit and act by separate and distinct Powers: And in general, in Order to the Validity and Consummation of all Acts, there shall be in the Exercise of their respective separate and distinct Powers, the joint Con-

*Relative numbers always the same*

*Concurrent action of Trustees and Fellows*

currence of the Trustees and Fellows, by their respective Majorities, except in adjudging and conferring the Academical Degrees, which shall forever belong, exclusively, to the Fellowship as a learned Faculty.

*And furthermore,* It is Constituted, That the Instruction and Government by the President and Fellows immediate Government of the College shall forever be, and rest in the President and Fellows or Fellowship.

*And furthermore,* It is Ordained, That there shall be a general Meeting of the Corporation on the First Wednesday in September annually, within the College Edifice, and until the same be built, at such Place as they shall appoint, to consult, advise and transact the Affairs of the College or University: At which or at any other Time, the Public Commencement may be held and celebrated. And that on any special Emergencies, the President, with any Two of the Fellows, or any Three of the Fellows, exclusive of the President, may convoke, and they are hereby empowered to convoke an Assembly of the Corporation on Twenty Days Notice: And that in all Meetings, the major Vote of those present of the Two Branches respectively, shall be deemed their respective Majorities aforesaid: Provided, That

*Special Meetings* not less than Twelve of the Trustees, and Five of the Fellows, be a Quorum of their respective Branches. That the President, or, in his Absence, the Senior Fellow present, shall always be Moderator of the Fellows: That the Corporation, at their annual Meetings, once in Three Years, or oftener in Case of Death or Removal, shall, and may choose a Chancellor of the University, and Treasurer, from among the Trustees, and a Secretary from among the Fellows: That the Nomination of the Chancellor shall be in the Trustees, whose Office shall be only to preside as a Moderator of the Trustees; and that in his Absence, the Trustees shall choose a Moderator for the Time being, by the Name of Vice-Chancellor: and at any of their Meetings, duly formed as aforesaid, shall and may be elected a Trustee or Fellow, or Trustees, or Fellows, in the Room of those nominated in this

*Quorum* not less than Twelve of the Trustees, and Five of the Fellows, be a Quorum of their respective Branches. That the President, or, in his Absence, the Senior Fellow present, shall always be Moderator of the Fellows: That the Corporation, at their annual Meetings, once in Three Years, or oftener in Case of Death or Removal, shall, and may choose

*Chancellor, Treasurer and Secretary chosen triennially* a Chancellor of the University, and Treasurer, from among the Trustees, and a Secretary from among the Fellows: That the Nomination of the Chancellor shall be in the Trustees, whose Office shall be only to preside as a Moderator of the Trustees; and that in his Absence, the Trustees shall choose a Moderator for the Time being, by the Name of Vice-Chancellor: and at any of their Meetings, duly formed as aforesaid, shall and may be elected a Trustee or Fellow, or Trustees, or Fellows, in the Room of those nominated in this

*Vice-Chancellor*



Charter, who may refuse to accept, or in the Room of those who may die, resign, or be removed.

*Vacancies to  
be filled*

*And furthermore*, It is Enacted, Ordained and Declared, That this Corporation, at any of their Meetings, regularly convened as aforesaid, shall and may elect and appoint the President and Professor of Languages, and the several Parts of Literature: And upon the

*Election of  
President and  
Professors*

Demise of him or them, or either of them, their Resignation or Removal from his or their Office, for Misdemeanor, Incapacity, or Unfaithfulness, (for which he or they are hereby declared removable by this Corporation) others to elect and appoint in their Room and Stead: And at such Meeting, upon the Nomination of the Fellows, to

elect and appoint Tutors, Stewards, Butlers, and all such other Officers usually appointed in Colleges or Universities, as they shall find necessary, and think fit to appoint for the promoting liberal Education, and the well ordering the Affairs of this College; and them or any of them, at their Discretion to remove, and substitute others in their

*Appointment  
of other offi-  
cers*

Places. And in Case any President, Trustee or Fellow, shall see Cause to change his religious Denomination, the Corporation is hereby empowered to declare his or their Place or Places vacant, and may

*Vacancy by  
change of  
denomination*

proceed to fill up it or them accordingly, as before directed, otherwise each Trustee and Fellow, not an Officer of Instruction, shall continue in his Office during Life, or until Resignation. And further, in Case either of the religious Denominations should decline taking a Part in this Catholic, comprehensive and liberal Institution, the Trustees and Fellows shall and may compleat their Number, by electing from their respective Denominations, always preserving their

respective Proportions herein before prescribed and determined: And all Elections shall be by Ballot or written Suffrage: And that a Quorum of Four Trustees & Three Fellows may transact any Business, excepting placing

*Elections by  
ballot*

the College Edifice, Election of Trustees, President, Fellows and Professors, that is to say, so that their Acts shall be of Force and Validity until the next annual Meeting, and no longer.

*Minor quorum*

*And* it is further Enacted and Ordained by the Authority aforesaid, That each Trustee and Fellow, as well those nominated in

this Charter, as all that shall hereafter be duly elected, shall, previous to their acting in a corporate Capacity, take the Engagement of Allegiance prescribed by the Law of this Colony, to his Majesty King George the Third, His Heirs and Rightful Successors to the Crown of Great-Britain, which Engagement shall be administered to the present Trustees and Fellows, by the Governor or Deputy-Governor of this Colony, and to those from Time to Time hereafter elected by their respective Moderators, who are hereby empowered to administer the same.‡

*And* still more clearly to define and ascertain the respective Powers of the Two Branches, on making and enacting Laws, *Laws of the College* It is further Ordained and Declared, That the Fellowship shall have Power, and are hereby empowered from Time to Time, and at all Times hereafter, to make, enact and publish all such Laws, Statutes, Regulations and Ordinances, with Penalties, as to them shall seem meet, for the successful Instruction and Government of said College or University, not contrary to the Spirit, Extent, true Meaning and Intention of the Acts of the British Parliament, or the Laws of this Colony; and the same Laws, Statutes and Ordinances to repeal: Which Laws, and the Repeals thereof, shall be laid before the Trustees, and with their Approbation shall be of Force and Validity, but not otherwise. And further the Trustees and Fellows, at their Meetings aforesaid, shall ascertain the Salaries of the respective *Salaries of officers* Officers, and order the Monies assessed on the Students for Tuition, Fines and incidental Expenses, to be collected by the Steward, or such other Officer as they shall appoint to collect the same; and the same with their Revenues, and *Audit of accounts* other College Estates in the Hands of the Treasurer, to appropriate in discharging Salaries and other College Debts: And the College Accounts shall be annually audited and adjusted in the Meeting of the Corporation.

*And furthermore*, It is hereby Enacted and Declared, That

‡ *September 4, 1782, the Corporation by vote omitted from the engagement the acknowledgment of allegiance to the British crown. The form of engagement has since been modified at various times; the present form is as follows: You [person's name] being elected a member of this Corporation to the place of [Fellow or Trustee] do solemnly engage true allegiance to bear to the United States of America, and faithfully to discharge the duties of your present appointment: And this engagement you make and give on the peril of the penalty of perjury.*

into this liberal and catholic Institution shall never be admitted any religious Tests: But on the contrary, all the Members hereof shall forever enjoy full, free, absolute, and uninterrupted Liberty of Conscience: And that the Places of Professors, Tutors, and all other Officers, the President alone excepted, shall be free and open for all Denominations of Protestants: And that Youth of all religious Denominations shall and may be freely admitted to the equal Advantages, Emoluments and Honors of the College or University; and shall receive a like, fair, generous, and equal Treatment during their Residence therein, they conducting themselves peaceably, and conforming to the Laws and Statutes thereof. And that the public Teaching shall, in general, respect the Sciences; and that the Sectarian Differences of Opinions, shall not make any Part of the public and classical Instruction: Although all religious Controversies may be studied freely, examined and explained by the President, Professors, and Tutors, in a personal, separate and distinct Manner, to the Youth of any or each Denomination: And above all, a constant Regard be paid to, and effectual Care taken of, the Morals of the College.

*No religious tests*

*And furthermore*, for the Honor and Encouragement of Literature, we Constitute and Declare, the Fellowship aforesaid, a Learned Faculty; and do hereby give, grant unto, and invest them, and their Successors, with full Power and Authority, and they are hereby authorized and empowered, by their President, and in his Absence by the Senior Fellow, or One of the Fellows appointed by themselves at the anniversary Commencement, or at any other Times, and at all Times hereafter, to admit to, and confer any and all the learned Degrees, which can or ought to be given and conferred in any of the Colleges or Universities in America; or any such other Degrees of literary Honor as they shall devise, upon any and all such Candidates and Persons as the President and Fellows, or Fellowship, shall judge worthy of the Academical Honors: Which Power of conferring Degrees is hereby restricted to the learned Faculty, who shall or may issue Diplomas or Certificates of such Degrees, or confer Degrees by Diplomas, and authenticate them with the Public Seal of the Corporation, and the Hands of the President and Secretary, and of all the Professors, as Witnesses, and deliver them to the graduates as honorable and perpetual Testimonies.

*Fellows to confer degrees*

*Diplomas granted*

*And furthermore*, for the greater Encouragement of this Seminary of Learning, and that the same may be amply endowed and enfranchised with the same Privileges, Dignities, Exemption from taxation, and Immunities enjoyed by the American Colleges, &c. and European Universities, We do Grant, Enact, Ordain, and Declare, And it is hereby Granted, Enacted, Ordained, and Declared, That the College Estate, the Estates, Persons, and Families of the President and Professors, for the Time being, lying and being within the Colony, with the Persons of the Tutors and Students, during their Residence at the College, shall be freed and exempted from all Taxes,<sup>‡</sup> serving on Juries, and menial Services: And that the Persons aforesaid shall be exempted from

<sup>‡</sup> *February 11, 1863, the Corporation voted as follows:*

**W**HEREAS the General Assembly of the State of Rhode Island at its present session on the 11th day of February 1863, has passed an Act the principal Section of which is in the following words viz: Section 1. The Corporation of Brown University in Providence consenting hereto that the estates, persons and families of the President and Professors for the time being, and their successors in office, shall not hereafter be freed and exempted from taxes for more than the amount of Ten Thousand dollars for each of such officers, his estates persons and family included.

And Whereas the Institution of Brown University, was established by its founders, was incorporated with liberal franchises by the State, has been maintained solely by private benefactions; all uniting for the same noble object, that is, to create and promote a seminary of religion and learning within this state whose beneficent influences should be diffused, at home and abroad through all time.

And Whereas those influences can, and will be most happily diffused and continued by a cordial good will and a harmonious coöperation between the General Assembly and citizens of this State and the University.

And Whereas the General Assembly by its Act aforesaid has expressed the opinion that the President and Professors should bear a portion of the burdens of taxation from which they are exempted by our charter, and has made the validity of its said Act to depend upon the consent of this Corporation thereto, thereby affirming and maintaining the inviolability of said Charter.

**T**HEREFORE, in order to manifest our cordial compliance with a reasonable wish of the General Assembly as expressed in said Act, It is hereby Voted and declared by the Corporation of Brown University, that being authorized by the President and Professors of said University, this Corporation does in behalf of the President and Professors and in behalf of this Corporation consent to the said Act passed by the General Assembly of the State of Rhode Island at its present session, as aforesaid—and the Secretary of this Corporation is hereby instructed to file a copy of this vote under the seal of the Corporation and certified by himself in the Office of the Secretary of State, as proof of the consent of this Corporation thereto.

The above Report was accepted and the Vote was adopted unanimously.

bearing Arms, Impresses and Military Services, except in case of an Invasion.

*And furthermore*, for establishing the Perpetuity of this Corporation, and in Case that at any Time hereafter, through Oversight, or otherwise through Misapprehensions, and mistaken Constructions of the Powers, Liberties and Franchises herein contained, any Laws should be enacted, or any Matters done and transacted by this Corporation contrary to the Tenor of this Charter, It is hereby Enacted, Ordained and Declared, That all such Laws, Acts, and Doings, shall be in themselves null and void: Yet, Nevertheless, the same shall not in any Courts of Law, or by the General Assembly, be deemed, taken, interpreted, or adjudged into an Avoidance, Defeazance or Forfeiture of this Charter: But that the same shall be, and remain unhurt, inviolate, and entire unto the said Corporation, in perpetual Succession: Which Corporation may, at all Times, and forever hereafter proceed and continue to act: And all their Acts, conformable to the Powers, Tenor, true Intent and Meaning of the Charter, shall be, and remain in full Force and Validity, the Nullity and Avoidance of any such illegal Acts to the contrary in any wise notwithstanding.

*Perpetuity of  
the Corpora-  
tion*

*And lastly*, We the Governor and Company aforesaid, Do, for ourselves and our Successors, forever hereby Enact, Grant and Confirm unto the said Trustees and Fellows, and to their Successors, That this Charter of Incorporation, and every Part thereof, shall be good and available in all Things in the Law, according to our true Intent and Meaning: And shall be construed, reputed, and adjudged in all Cases most favorably on the Behalf and for the best Benefit and Behoof of the said Trustees and Fellows, and their Successors, so as most effectually to answer the valuable Ends of this useful Institution.

*Charter for the  
benefit of the  
Corporation  
and the Col-  
lege*

*In* full Testimony of which Grant, and of all the Articles and Matters therein contained, the said Governor and Company do hereby order, That this Act shall be signed by the Governor and Secretary, and sealed with the Public Seal of this Colony, and registered in the Colony's Records: And that the same, or an Exemplification thereof, shall be

*Signed and  
sealed*

a sufficient Warrant to the said Corporation to hold, use and exercise all the Powers, Franchises, and Immunities herein contained.

*In Conformity to the above Act, SAMUEL WARD, ESQ; Governour, Captain-General, and Commander in Chief, of and over the Colony aforesaid doth hereunto subscribe his Name, and hath caused the Seal of said Colony to be affixed the Twenty-fourth Day of October One Thousand Seven Hundred and Sixty-five, and in the Fifth Year of the Reign of his Most Sacred Majesty George the Third by the Grace of God King of Great Britain, &c.*

SAM: WARD

By His Honor's Command

EDWD THURSTON jun D: Secry.

# ADMISSION TO THE UNIVERSITY

## ADMISSION TO THE FRESHMAN CLASS

### ADMISSION BY EXAMINATION

#### I. EXAMINATIONS CONDUCTED BY THE UNIVERSITY

**E**XAMINATIONS for admission to the Freshman class are held in Wilson Hall on the Thursday, Friday, Saturday, and Monday next following Commencement in June, and also on the Thursday, Friday, Saturday, and Monday next preceding the beginning of the academic year in September. Candidates may be examined in all the subjects in June or in September, or in part in June and in the remainder in September. *After 1907 no June examinations will be offered by Brown University.* See the statement on page 42 relative to the examinations conducted by the College Entrance Examination Board.

Before taking any examination, a candidate must present to the Registrar a letter of recommendation from the principal of his preparatory school and secure a card admitting him to the examination. This may be done by correspondence, provided that the written application and the recommendation are received not less than one week before the first examination held.

If a candidate offers subjects in excess of those required for admission, he may be examined in them at the times scheduled below and receive credit for them as college studies.

The order of the examinations in 1907 will be as follows :

#### THURSDAY, JUNE 20 and SEPTEMBER 19

*Algebra*, Wilson Hall 27, 8 a.m. to 10 a.m.

*Plane Geometry*, Wilson Hall 27, 10 a.m. to 12 m.

*Elementary French*, Wilson Hall 2, 1 p.m. to 3 p.m.

*Advanced French*, Wilson Hall 2, 4 p.m. to 6 p.m.

#### FRIDAY, JUNE 21 and SEPTEMBER 20

*Elementary Greek*, Wilson Hall 2, 8 a.m. to 10 a.m.

*Advanced Greek*, Wilson Hall 2, 10 a.m. to 11.30 a.m.

*Astronomy*, Wilson Hall 25, 8 a.m. to 10 a.m.

*Physical Geography*, Wilson Hall 25, 10 a.m. to 12 m.

*Elementary Latin*, Wilson Hall 25, 12.30 p.m. to 2.30 p.m.

*Advanced Latin*, Wilson Hall 25, 2.30 p.m. to 4 p.m.

*English and American History*, Wilson Hall 27, 4 p.m. to 6 p.m.

#### SATURDAY, JUNE 22 and SEPTEMBER 21

*English*, Wilson Hall 26, 8 a.m. to 10 a.m.

*Chemistry*, Wilson Hall 2, 11 a.m. to 1 p.m.

*Solid Geometry*, Wilson Hall 27, 2 p.m. to 4 p.m.

*Plane Trigonometry*, Wilson Hall 27, 4 p.m. to 6 p.m.

**MONDAY, JUNE 24 and SEPTEMBER 23**

*Elementary German*, Wilson Hall 2, 8 a.m. to 10 a.m.

*Advanced German*, Wilson Hall 2, 10 a.m. to 12 m.

*Ancient History*, Wilson Hall 25, 1 p.m. to 3 p.m.

*Physics*, Wilson Hall 1, 4 p.m. to 6 p.m.

In addition to the entrance examinations in June and September, another set of entrance examinations will be given at the close of the Christmas recess. These are open only to students already pursuing courses in the university. Students desiring to take these examinations must file written applications with the Registrar before December 1. No student who has failed in an entrance examination will be granted another examination at any time other than June or September, except on presentation of a tutor's certificate that he is prepared for such examination and after payment of a fee of two dollars.

No entrance examinations other than those regularly appointed will be held unless ordered by vote of the Committee on Registration and Attendance. For such examinations a fee of two dollars is charged.

## II. EXAMINATIONS CONDUCTED BY THE COLLEGE ENTRANCE EXAMINATION BOARD

Examinations conducted under the supervision of the College Entrance Examination Board will be accepted in place of the corresponding examinations conducted by Brown University. In 1907 these examinations will be held June 17-22.

All applications for such examinations must be addressed to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, and must be made upon a blank form to be obtained from the Secretary of the Board upon application. Applications for examination at points in the United States east of the Mississippi River, also at Minneapolis, St. Louis, and other points on the Mississippi River, must be received by the Secretary of the Board on or before Monday, June 3, 1907; applications for examination elsewhere in the United States or in Canada must be received on or before Monday, May 27, 1907; and applications for examination at points outside the United States and Canada must be received on or before Monday, May 13, 1907. Applications received later than the dates named will be accepted when it is possible to arrange for the examinations of the candidates concerned, but only upon the payment of \$5.00 in addition to the regular fee.

The examination fee is \$5.00 for all candidates examined at points in the United States and Canada, and \$15.00 for all candidates examined at points outside of the United States and Canada. The fee (which cannot be accepted in advance of the application) should be remitted by postal order, express or-



der, or draft on New York, to the order of the College Entrance Examination Board.

A list of the places at which examinations are to be held by the Board in June, 1907, will be published about March 1. To receive proper consideration, requests that the examinations be held at particular points should be transmitted to the Secretary of the Board not later than February 1.

### ADMISSION BY CERTIFICATE

Students are admitted upon presentation of a certificate signed by the principal of any school which has the privilege of issuing certificates to Brown University.

Principals of schools in New England who desire the certificate privilege for Brown University, or for any other college represented on the New England College Entrance Certificate Board, should address the Secretary of the Board, Professor Nathaniel F. Davis, 159 Brown Street, Providence, R. I., who will furnish the necessary application blanks. These blanks must be returned to him before April 1 of the year for which the certificate privilege is desired.

The principals of schools situated outside of New England who desire the certificate privilege must make application to the Registrar before May 1, and furnish satisfactory evidence that the course of study in the school meets the requirements for admission. Blank forms for this purpose will be supplied on request. Certificates from the New York Board of Regents are accepted for the specified subjects so far as they coincide with the entrance requirements of Brown University.

Certificates are accepted for admission to the Freshman class only, not for admission to advanced standing. If any candidate offers subjects in excess of those required for admission he may be examined in them at the times scheduled above and receive credit for them as college studies.

Blank forms for the certification of candidates may be obtained from the Registrar by the principals of schools on the accredited list. These forms should be filled out and returned to him by July 1. When a student has attended more than one school, a letter of recommendation from the principal of the school last attended must accompany the certificate.

## ENTRANCE REQUIREMENTS FOR THE VARIOUS DEGREES

### FOR THE DEGREE OF BACHELOR OF ARTS

In Group I all subjects must be presented. In addition, seven points must be presented from Groups II and III. In Group II subjects aggregating at least

six points, including at least three points in ancient languages and at least one point in modern languages, must be presented. In Group III one subject may be presented.

**GROUP I**

*English. See page 46.*

*Algebra. See page 48.*

*Plane Geometry. See page 48.*

*Ancient History. See page 51.*

**GROUP II**

*Latin (elementary and advanced) 3 points. See pages 48, 49.*

*Greek (elementary) 2 points. See page 49.*

*Greek (advanced) 1 point. See page 49.*

*French (elementary) 1 point. See page 49.*

*French (advanced) 1 point. See page 50.*

*German (elementary) 1 point. See page 50.*

*German (advanced) 1 point. See page 51.*

**GROUP III**

*Solid Geometry and Plane Trigonometry 1 point. See page 48.*

*English and American History 1 point. See page 51.*

*Physics 1 point. See page 51.*

*Chemistry 1 point. See page 52.*

**FOR THE DEGREE OF BACHELOR OF PHILOSOPHY**

In Group I all subjects must be presented. In addition, seven points must be presented from Groups II and III. In Group II two or more languages are required, aggregating at least three points. In Group III free selection is allowed to complete the seven points.

**GROUP I**

*English. See page 46.*

*Algebra. See page 48.*

*Plane Geometry. See page 48.*

*Ancient History or English and American History. See page 51.*

**GROUP II**

*Latin (elementary) 2 points. See page 48.*

*Latin (advanced) 1 point. See page 49.*

*Greek (elementary) 2 points. See page 49.*

*Greek (advanced) 1 point. See page 49.*

*French (elementary) 1 point. See page 49.*

*French (advanced) 1 point. See page 50.*

*German (elementary) 1 point. See page 50.*

*German (advanced) 1 point. See page 51.*

**GROUP III**

*Solid Geometry and Plane Trigonometry* 1 point. *See page 48.*

*History* (the History not presented as a required subject) 1 point. *See page 51.*

*Physics* 1 point. *See page 51.*

*Chemistry* 1 point. *See page 52.*

*Astronomy* 1 point. *See page 52.*

*Physiography* 1 point. *See page 52.*

**‡FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL  
ENGINEERING, MECHANICAL ENGINEERING, OR ELECTRICAL  
ENGINEERING, FOR STUDENTS ENTERING IN 1907  
OR 1908**

In Group I all subjects must be presented. In Group II two subjects must be presented.

**GROUP I**

*English.* *See page 46.*

*Algebra.* *See page 48.*

*Plane Geometry.* *See page 48.*

*Solid Geometry.* *See page 48.*

**GROUP II**

*French* (elementary). *See page 49.*

*German* (elementary). *See page 50.*

*Chemistry.* *See page 52.*

**NEW ENTRANCE REQUIREMENTS FOR THE DEGREE OF  
BACHELOR OF SCIENCE IN CIVIL ENGINEERING, MECHANICAL  
ENGINEERING, OR ELECTRICAL ENGINEERING, FOR  
STUDENTS ENTERING IN 1909**

In Group I all subjects must be presented. In addition, four subjects must be presented from Groups II and III. In Group II at least three subjects must be presented. The fourth subject may be presented from either Group II or III.

**GROUP I**

*English.* *See page 46.*

*Algebra.* *See page 48.*

*Plane Geometry.* *See page 48.*

*Solid and Spherical Geometry.* *See page 48.*

*Ancient History, or English and American History.* *See page 51.*

**GROUP II**

*French* (elementary). *See page 49.*

*French* (advanced). *See page 50.*

*German* (elementary). *See page 50.*

**‡** The requirement in Freehand Drawing has been discontinued.

*German* (advanced). *See page 51.*

*Chemistry*. *See page 52.*

### GROUP III

*Latin* (elementary). *See page 48.*

*Greek* (elementary). *See page 49.*

*Physics*. *See page 51.*

*History* (the History not presented in Group I). *See page 51.*

*Astronomy*. *See page 52.*

*Physiography*. *See page 52.*

*Botany*. *See page 52.*

Applicants for admission who have had extensive training in freehand drawing, and who by presentation to the Committee on Registration and Attendance of properly certified plates, give evidence of exceptional ability in this work, may offer freehand drawing in place of any one of the subjects in Group III.

## ENTRANCE REQUIREMENTS IN THE SEVERAL SUBJECTS

### I. ENGLISH

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) power to read with intelligence and appreciation. To secure the first end, training in grammar and the simpler principles of rhetoric, and frequent practice in writing, with corrections by the teacher, are necessary. The candidate must show a practical knowledge of the essentials of English grammar, including grammatical terminology, inflections, syntax, and the relations of phrases and of clauses. He must be able to spell, capitalize, and punctuate competently; to speak with due regard to the standard of pronunciation; to use words with idiomatic accuracy; to write clear and correct sentences; and to construct unified, coherent paragraphs. The second end is sought through the reading of standard authors—the more reading the better. A number of pieces of good prose and poetry are prescribed to be read under the direction of the teacher. For the purposes of the examination these works are divided into two groups (*see below*), but all should be read primarily with a view to understanding and enjoying them.

The examination consists of three parts, which, however, cannot be taken separately.

1. In the first part the candidate will be required to answer questions on grammar and usage, and to correct examples of bad grammar and faulty choice of words.

2. In the second part the candidate must show a general knowledge of the substance of the books named in list A, by writing a paragraph or two on each of several topics, which he may choose from a considerable number set

before him in the examination paper. He should also be able to answer simple questions on the lives of the authors.

3. In the third part the candidate must show such knowledge of the substance, structure, and style of the books named in list B as will enable him to answer specific questions with accuracy and some detail; the questions, however, will test the student's knowledge of only the more important allusions and verbal difficulties, and of the simpler elements of literary form.

*(A) For Students entering in 1907 and 1908:*

Shakspere's *Macbeth* and *The Merchant of Venice*; *The Sir Roger de Coverley Papers* in *The Spectator*; Scott's *Ivanhoe* and *The Lady of the Lake*; Irving's *Life of Goldsmith*; Coleridge's *Ancient Mariner*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Lowell's *Vision of Sir Launfal*; George Eliot's *Silas Marner*.

*For Students entering in 1909: ‡*

Shakspere's *Merchant of Venice* and *Julius Caesar*; Bunyan's *Pilgrim's Progress* (Part 1); *The Sir Roger de Coverley Papers* in *The Spectator*; Scott's *Lady of the Lake* and *Ivanhoe*; Irving's *Sketch Book*; Macaulay's *Lays of Ancient Rome*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; George Eliot's *Silas Marner*.

*For Students entering in 1910 and 1911: ‡*

Shakspere's *Merchant of Venice* and *Julius Caesar*; *The Sir Roger de Coverley Papers* in *The Spectator*; Franklin's *Autobiography*; Scott's *Lady of the Lake* and *Ivanhoe*; Hawthorne's *House of the Seven Gables*; Macaulay's *Lays of Ancient Rome*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Dickens's *A Tale of Two Cities*.

*(B) For Students entering in 1907 and 1908:*

Shakspere's *Julius Caesar*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's *Speech on Conciliation with America*; Macaulay's *Life of Johnson*, and *Essay on Addison* or *Essay on Milton*.

*For Students entering in 1909, 1910, and 1911:*

Shakspere's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*, or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

‡ The lists for the classes entering in 1909, 1910, and 1911 are selected from the list adopted by the Conference on Uniform Entrance Requirements in English, at a meeting held in Newark, N. J., February 22, 1905. Candidates may present other selections from that list provided they notify the Registrar, on or before the first day of February preceding the examination, what substitutions they wish to make.

## II. ALGEBRA ‡

The requirements in Algebra cover the work through equations of the second degree, including the following subjects: factors, common divisors, and multiples; fractions, ratios, and proportions; negative quantities and the interpretation of negative results; the doctrine of exponents; radicals, and equations involving radicals; the binomial theorem for positive integral powers of the binomial, and the extraction of roots; putting questions into equations, and the reduction of equations; the ordinary methods of elimination; the solution of both numerical and literal equations of the first and second degrees with one or more unknown quantities, and of problems leading to such equations; arithmetical and geometrical progression.

It is important that the student should acquire a thorough knowledge not only of the practice but also of the reasons involved in the elementary algebraic rules. He should likewise be able to use readily the more important formulae, as, for example, the quadratic formula.

## III. PLANE GEOMETRY ‡

The requirements in Plane Geometry include those propositions which are contained in the ordinary treatises and which are recognized as constituting the elements of Geometry; also original propositions, and problems in mensuration.

Teachers of Geometry should lay stress on accuracy of statement and elegance of form as well as on clear and strict reasoning. Mere memorizing should be avoided. Special care should be taken that in the proof of a proposition no lines be drawn unless their construction is proved to be possible.

## IV. SOLID GEOMETRY

The requirements in Solid Geometry include the equivalent of the Solid and Spherical Geometry presented in Wells's *Geometry*, omitting the portion dealing with Regular Polyhedrons.

## V. PLANE TRIGONOMETRY

The requirements in Plane Trigonometry include the equivalent of what is presented in the first seventy-six pages of Wells's *New Plane and Spherical Trigonometry*.

## VI. ELEMENTARY LATIN

1. Caesar. *Gallic War*, books I-IV, or books I-III and Sallust's *Catiline*, with questions on the forms, the constructions, and the subject-matter.

‡ Although candidates are not examined in Arithmetic, a knowledge of its fundamental principles and a careful training in accurate computation with whole numbers and with vulgar and decimal fractions are regarded as essential parts of a preparatory course.

The school curriculum should be so arranged that no term shall pass without some time being given to a mathematical subject, and that both Algebra and Geometry shall be taken either in review or in advance during the last year of the course. For a four-year course an average of two and one half hours a week should be given to mathematics.

2. Cicero. The *Orations against Catiline* and the *Oration for Archias*, with questions on the grammar and the subject-matter.

3. Ovid. Twenty-five hundred lines, with questions on the subject-matter and prosody.

4. Translation at sight of ordinary passages from Caesar and Cicero, with questions on the ordinary forms and constructions.

5. Translation into Latin of simple English sentences.

## VII. ADVANCED LATIN

1. Includes 1, 2, 3 mentioned under Elementary Latin.

2. Vergil. *Aeneid*, books I-VI, or books I-V and the *Eclogues*, with questions on the constructions, the subject-matter, and prosody.

3. Translation at sight of prose and verse, with questions on the constructions, the subject-matter, and prosody.

4. Translation into Latin of a continuous passage of English narrative prepared from some portion of the prescribed prose.

## VIII. ELEMENTARY GREEK

1. Xenophon's *Anabasis*, books I-IV, regard being had not only to language but to subject-matter as well.

2. Grammar. A familiar knowledge of inflection, word-formation, and ordinary syntax.

This will be tested by :

(a) Questions upon a passage from the *Anabasis*.

(b) Translation into Greek, with accents, of simple English sentences.

## IX. ADVANCED GREEK

1. Includes 1 and 2 (a) mentioned under Elementary Greek.

2. Three books of Homer's *Iliad* or *Odyssey* with questions upon meter, Homeric dialect, etc., or (upon request four weeks in advance of the examinations) an equivalent amount of a prose author may be offered.

3. Translation at sight of simple Attic prose or Homer.

4. Translation into Greek, with accents, of a continuous passage of English narrative, based upon material similar to the *Anabasis*.

## X. ELEMENTARY FRENCH

1. Proficiency in elementary French grammar, including, especially, familiarity with the following topics : inflection of nouns and adjectives in gender and number ; the pronominal adjectives ; the use of pronouns, especially the forms and positions of personal pronouns ; the partitive constructions ; the inflection of the regular verbs and of the more usual irregular verbs such as *dire*, *faire*, and the classes represented by *ouvrir*, *sentir*, *venir*, *paraître*, *conduire*, and *craindre*. The mention of these topics is to be understood not as restrictive, but rather as emphasizing the importance of a thorough grounding of the pupil in the elements of the language.

2. Ability to translate simple prose at sight. It is believed that the required facility can be gained by reading, concurrently with the grammar work, from two hundred to four hundred duodecimo pages, of at least three dissimilar works. It is desired that the books read shall not be those assigned in the University courses.

3. Ability to pronounce French and to recognize French words and simple French phrases when spoken. It is recommended that from the beginning careful attention be given to the fluent and intelligent reading aloud of the French texts used in the class-room.

## XI. ADVANCED FRENCH

In addition to the elementary requirements:

1. The translation at sight of standard French into idiomatic English.

2. The translation into French of a connected passage of English prose, to test the candidate's familiarity with grammar. Proficiency in grammar may also be tested by specific questions.

3. The writing of French from dictation.

Candidates will be expected to show a thorough knowledge of accidence and a familiarity with the essentials of French syntax, especially the uses of tenses, modes, prepositions, and conjunctions. The preparation should comprise the reading of from four hundred to six hundred pages of ordinary French, including the amount read for the elementary requirement; constant practice in giving, in French, paraphrases, abstracts, or reproductions from memory, of selected passages; the study of a grammar of moderate completeness; writing from dictation.

## XII. ELEMENTARY GERMAN

1. Proficiency in elementary German grammar, including, especially, familiarity with the following topics: declension of such nouns as are readily classified and of adjectives and pronouns; conjugation of weak verbs and of the more usual strong verbs; the commoner prepositions; the simpler uses of the modal auxiliaries; the simpler rules of syntax and of word-order. The mention of these topics is to be understood not as restrictive, but rather as emphasizing the importance of a thorough grounding of the pupil in the elements of the language.

2. Ability to translate a passage of simple prose at sight, when a vocabulary of the less usual words is furnished. It is believed that the required facility can be gained by reading, concurrently with the grammar work, two hundred duodecimo pages of easy German, chiefly narrative prose, with a few lyric poems. It is desired that the books read shall not be those assigned in the University courses.

3. Ability to pronounce German and to recognize German words and simple German phrases when spoken. It is recommended that from the beginning careful attention be given to the fluent and intelligent reading aloud of the German texts used in the class-room.



## XIII. ADVANCED GERMAN

In addition to the elementary requirements:

1. Ability to translate at sight ordinary German into idiomatic English, the passages for translation being suited to the proficiency of those who have read not less than five hundred pages of classical and contemporary prose and verse selected from such works as Lessing's *Minna von Barnhelm*; Schiller's *Wilhelm Tell*, *Maria Stuart*, *Jungfrau von Orleans*, and *Gedichte*; Goethe's *Hermann und Dorothea* and *Gedichte*; Heine's *Reisebilder* and *Gedichte*; Freytag's *Die Journalisten* and *Bilder aus der Vergangenheit*; Scheffel's *Der Trompeter von Säckingen*; Uhland's *Gedichte*; Hoffmann's *Historische Erzählungen*; Meyer's *Gustav Adolf's Page*; Riehl's *Novellen*. It is recommended that at least one half of the reading be selected from the works of Lessing, Schiller, and Goethe.

2. Ability to state the main facts in the life of each author studied and to discuss the characters in the dramas read.

3. Ability to read aloud intelligently every text in the original. Such proficiency can be acquired only by constant oral practice in the class-room.

4. A knowledge of the elements of word-formation and of the principal uses of prepositions, conjunctions, modal auxiliaries, the subjunctive mode, and the infinitive.

Preparation for the advanced examination by candidates already prepared for the elementary examination should occupy at least five recitation periods a week in the last year of the preparatory course, or a smaller number of periods more widely distributed.

## XIV. HISTORY

Either of the two following groups, each including two fields of historical study:

1. Greek and Roman history. (a) Greek history to the death of Alexander, with due reference to Greek life, literature, and art. (b) Roman history to the end of the reign of Marcus Aurelius, with due reference to literature and government.

2. English and American history. (a) English history, with due reference to social and political development. (b) American history, with the elements of civil government.

For preparation in either 1 or 2 a course of study equivalent to at least three lessons a week for one year will be necessary, or five lessons a week for one year for both 1 and 2. The candidates will be expected to show such general knowledge of each field as may be acquired from the study of an accurate modern text-book of not less than three hundred pages, supplemented by not less than three hundred pages of suitable parallel readings.

## XV. PHYSICS

The equivalent of Hall and Bergen's *Text-book of Physics*, together with an approved laboratory course of at least forty experiments.

## XVI. CHEMISTRY

The requirements include a knowledge of the non-metals and their principal combinations, the metals and their principal salts, the more important topics of chemical philosophy, chemical nomenclature and notation, and the ordinary methods of stoichiometry. Candidates should have personally performed about one hundred simple experiments (those in Appleton's *Young Chemist* are mentioned as illustrations, but equivalents will be accepted). Each candidate is expected to submit his manuscript notes, or reports of his work. A course accomplishing the preparation above outlined will require an amount of time equivalent to three hours a week for one school year.

## XVII. ASTRONOMY

The requirements imply class instruction for the equivalent of three hours a week for a school year in the elementary principles of the science, including observations of the heavens with reference to the positions and movements of the heavenly bodies. The following are the chief topics to be studied:

*The Celestial Sphere*; designation of the directions of a heavenly body.

*The Earth*; its axial rotation; time, latitude, longitude; its orbital revolution; precession, aberration, the seasons, equation of time, the calendar.

*The Moon*; its axial rotation, orbital motion, librations, phases, surface features, physical condition; lunar and solar eclipses.

*The Sun*; its rotation, physical characteristics, light, and heat.

*The Planets*; apparent and real motions, individual characteristics.

*The Law of Gravitation*; its control of the solar system; the tides.

*Comets and Meteors*; their nature and motions.

*The Stars*; designation, classification by constellations, motions, distance, brightness, variables.

*Stellar Systems*; clusters, nebulae; the stellar universe, cosmogony.

## XVIII. PHYSIOGRAPHY

The preparation in physiography implies a thorough knowledge of the elementary principles as found in a standard textbook, representing a year's work of three hours a week. The work should include the study of oceans, atmosphere, climate, weather, rivers; and of land forms, their geographical distribution and classification, their origin, growth, and decay; together with some study of the interrelation of man and nature. The candidate is expected to submit reports of field and laboratory work done during the course of the year.

## XIX. BOTANY

An amount of work equivalent to that indicated in Bergen's *Foundations of Botany*, or Leavitt's *Outlines of Botany*, including the laboratory work and experiments outlined. Each student must submit his manuscript notes and the drawings made in connection with the work presented.

## ADMISSION TO ADVANCED STANDING

A candidate for admission to advanced standing who comes from an approved institution of collegiate rank may receive credit, without examination, for work done at such institution, provided that he present to the Registrar a detailed statement of his previous work and his standing therein, signed by the proper official. The amount of credit to be given is determined by the Committee on Registration and Attendance.

Every other candidate for admission to advanced standing must first satisfy the entrance requirements of the course which he desires to enter. He may then receive credit for any subject included in the curriculum of the course, provided, first, that he notify in writing the Committee on Registration and Attendance at the time he applies for admission to the University of his intention to present the subject, and second, that he pass an examination in the subject before a date set by the Committee.

Every candidate must present a letter of honorable dismissal from the institution last attended.

Formal application for admission should be made to the Registrar, and should be sent, if possible, before August 1.

## ADMISSION OF SPECIAL STUDENTS

Mature persons of good character who desire to pursue some special subject and who have had the requisite preliminary training are allowed to enter the various courses of study in the University without becoming candidates for a degree. Special students are subject to the same regulations regarding attendance and examinations as candidates for degrees; they must take fifteen hours of class-room work a week unless satisfactory reasons for a smaller assignment are presented.

Applicants for registration as special students must present to the Registrar, on or before August 1 if possible, a certified and detailed statement of the character and extent of their preparatory work, including testimonials of character and ability. In case a student has attended more than one institution, he must present credentials from all. Students who withdraw from a preparatory school before completing its course of study will not be admitted as special students unless the principal of the school distinctly recommends such action. Applicants must satisfy the officers of instruction, by examination or otherwise, that they are qualified to pursue the courses desired.

Special students will be accepted as candidates for a degree only after they have fully satisfied the requirements for admission either by certificate or by examination.

## ADMISSION OF GRADUATE STUDENTS

To be admitted as a graduate student, an applicant must have received the degree of Bachelor of Arts, of Philosophy, of Science, or of Letters from an institution of good standing, or must have completed in Brown University with a rank of C the work leading to the degree of Bachelor of Arts, of Philosophy, or of Science, with the exception of such an amount as the Committee on Registration and Attendance will allow him to take in excess of a full year's work (fifteen hours a week).

Persons who have obtained the degree of Bachelor of Arts, of Philosophy, of Science, or of Letters, and who desire to pursue graduate studies without being candidates for an advanced degree, are admitted as special graduate students. Such students are subject to all the regulations of the University regarding graduate students except those which relate to candidacy for degrees.

## REGISTRATION AND ENROLMENT OF UNDER-GRADUATES

## REGISTRATION

In September of each year all *new students*, whether candidates for a degree or special students, must report at the Registrar's office between 9 a.m. and 1 p.m. or between 2.30 p.m. and 5 p.m. on the Monday or Tuesday preceding the opening of the first term, and fill out registration cards for the whole of the ensuing year. Failure to comply with this rule will be treated as late registration and a fee of three dollars charged. All new students must present at or before the time of registration all credentials necessary for admission either as candidates for a degree or as special students.

In May of each year all *Undergraduates in residence*, whether candidates for a degree or special students, must obtain at the Registrar's office registration cards for the next year; these cards must be filled out by the students themselves with a statement of the courses elected for the whole of the ensuing year, and returned not later than June 1. Failure to comply with this rule will be treated as late registration and a fee of three dollars charged.

Courses bearing a single number must be elected as a whole. When term courses are grouped in one paragraph (*e. g.* Astronomy 1, 2, 3), the second term may not be taken without the first, nor the third without the second, unless specific statement to the contrary is made. In starred courses a final mark covering the work of the course as a whole will be given at the end of the course, the marks given at the end of the preceding term or terms being regarded as temporary. Changes in registration will be allowed only on presentation of sufficient reasons to the Committee on Registration and Attendance. Requests for permission to make changes in September must be presented to the Committee between 9 a.m. and 1 p.m. or between 2.30 p.m. and 5 p.m. on the Monday or Tuesday preceding the opening of the first term.

Requests for permission to make changes for the second or third term must be presented to the Committee before the beginning of the examinations of the first and second terms respectively, unless these requests be the result of failures, in which case they must be presented in writing to the Registrar two days before the opening of the second and third terms respectively.

### ENROLMENT

In September all students whose registration cards have been already approved must report at the Registrar's office between 10 a.m. and 12 m. or between 3 p.m. and 5 p.m. on the day preceding the opening of the first term and have their names checked as enrolled for the term. Failure to report will be treated as late enrolment and a fee of three dollars charged.

At the beginning of the second and third terms all Undergraduates must report at the Registrar's office between 10 a.m. and 12 m. or between 3 p.m. and 5 p.m. on the day preceding the opening of the term and have their names checked as enrolled for the term. Failure to report will be treated as late enrolment and a fee of three dollars charged.

## REGISTRATION AND ENROLMENT OF GRADUATE STUDENTS

On or before the first day of the academic year, every candidate for registration as a graduate student must file an application with the Dean of the Graduate Department, naming the departments, not exceeding three, which he wishes to enter. The application must be made on a blank provided by the Dean, and the blank must be signed by the heads of the departments concerned. The candidate, if not a student or graduate of Brown University, must submit to the Dean, with his application, his diploma or other official evidence of having received a first academic degree, together with a marked catalogue or detailed statement showing the academic courses he has pursued.

A student who has been registered as a graduate student is enrolled as a candidate for a degree when his course of study for the degree has been approved by the Dean of the Graduate Department and by the Faculty. Although graduates of other colleges of good standing are entitled to registration as graduate students, they are not enrolled as candidates for degrees unless the course of study previously pursued by them is, in the opinion of the Dean of the Graduate Department acting in consultation with the Committee on Registration and Attendance, substantially equivalent to the course leading to the corresponding degree in Brown University. Graduates of colleges in which the course of study is not, in the opinion of this joint Committee, equivalent to the corresponding course at Brown University, will be registered as graduate students, but if enrolled they will be required to make up their deficiency under the direction of the Committee.

Candidates for advanced degrees must have their selection of courses approved by the heads of the departments in which they are working, and a statement of these courses must be submitted by the heads of the departments to the Dean of the Graduate Department on or before October 15. In the case of candidates for the degree of Doctor of Philosophy the statement submitted in the first year of candidacy may be a preliminary outline of the course, but a final statement must be submitted by the head of the department in which the major subject lies, not later than October 15 in the last year of candidacy. A course cannot be dropped without the consent of the Dean of the Graduate Department and of the head of the department which offers the course.

# REQUIREMENTS FOR DEGREES



## REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

### I. PRESCRIBED SUBJECTS

**A***NCIENT Languages* (either Latin or Greek, or both). Six hours. At least three hours must be taken in the Freshman year, and the whole six hours must be completed by the end of the Sophomore year.

*Modern Languages* (either French or German, or both). Six hours. At least three hours must be taken in the Freshman year, and the whole six hours must be completed by the end of the Sophomore year.

Students presenting German only must take elementary French. Students presenting French only must take elementary German. Students presenting elementary French only must continue French in the Freshman year and take elementary German in either the Freshman or the Sophomore year. Students presenting elementary German only must continue German in the Freshman year and take elementary French in either the Freshman or the Sophomore year. Students presenting elementary French and elementary German only must continue both languages, but may postpone the continuation of one language to the Sophomore year. Students presenting elementary work in one language and elementary and advanced work in the other must take in the Freshman year the language in which the elementary work only was presented. Students presenting elementary and advanced work in both languages may take the required six hours in either French or German, or both.

*Mathematics*. Four or five hours. Freshman year. Four hours for students not presenting Solid Geometry and Plane Trigonometry. Five hours for students presenting Solid Geometry and Plane Trigonometry.

*English*. Rhetoric and Composition. Three hours. Freshman year.

*European History*. Three hours. First and second terms, Sophomore or Junior year.

*English Literature*. Any one of the courses in English from 10 to 23 inclusive. Sophomore, Junior, or Senior year.

*Physical or Natural Science*. Some three-hour course continuous through the year. Freshman, Sophomore, or Junior year.

*Political Science, Social Science, and Political Economy*. One three-hour, one-term course in each of the three departments. Sophomore, Junior, or Senior year.

*Philosophy.* Some three-hour course continuous through the year. Sophomore, Junior, or Senior year. The courses in Education cannot be taken to satisfy this requirement.

## II. REQUIREMENTS ARRANGED BY YEARS

### FRESHMAN YEAR

#### I. *Required Studies.*

*Latin* 1, 2, 3 or *Greek* 1, 2, 3. Three hours.

*French* 1 or 2, 3, 4 or } Three hours.  
*German* 1 or 2.

*Mathematics* 3, 1, 2. Four hours; or

*Mathematics* 4, 5; 15, 16. Five hours.

*English* 1. Three hours.

#### II. *Elective Studies.*

One three-hour course running through the year must be chosen from the following list:

*Latin* 1, 2, 3. For students presenting elementary and advanced Latin for admission.

*Greek* A, B, C. For students not presenting Greek for admission.

*Greek* 1, 2, 3. For students presenting elementary and advanced Greek for admission.

*French* 1. For students not presenting French for admission.

*French* 2, 3, 4. For students presenting elementary French for admission.

*French* 5, 6, 7. For students presenting advanced French for admission.

*German* 1. For students not presenting German for admission.

*German* 2. For students presenting elementary German for admission.

*German* 7. For students presenting advanced German for admission.

*Greek* 33, *Latin* 28, 29. (*Greek and Roman Life*.) For all students.

*Chemistry* 1, 2, 3. For all students.

*Chemistry* 4, 5, 6. For students presenting Chemistry for admission. (Subject to the consent of the department.)

*Botany* 1 or *Comparative Anatomy* 1. For all students.

### SOPHOMORE YEAR

I. That portion of the required work in ancient and modern languages not completed in the Freshman year.

II. Other required and elective courses sufficient with those taken under I to make fifteen hours a week.

### JUNIOR YEAR

I. The required History and Physical or Natural Science, if not previously taken.

II. Other required and elective courses sufficient with those taken under I to make fifteen hours a week.



## SENIOR YEAR

I. All required courses not previously taken.

II. Elective courses sufficient with those taken under I to make fifteen hours a week.

## REQUIREMENTS FOR THE DEGREE OF BACHELOR OF PHILOSOPHY

### I. PRESCRIBED SUBJECTS

*Modern Languages.* An amount sufficient with the work presented for admission to complete the elementary course and a year of advanced work in both French and German. A student who is admitted in both advanced French and advanced German is required to continue one of these languages for one year, three hours a week.

*Mathematics.* Four or five hours. Freshman year. Four hours for students not presenting Solid Geometry and Plane Trigonometry. Five hours for students presenting Solid Geometry and Plane Trigonometry.

*English.* Rhetoric and Composition. Three hours. Freshman year.

*European History.* Three hours. First and second terms, Sophomore or Junior year.

*Physical or Natural Science.* Some three-hour course continuous through the year. Freshman, Sophomore, or Junior year.

*Philosophy.* Some three-hour course continuous through the year. Sophomore, Junior, or Senior year. The courses in Education cannot be taken to satisfy this requirement.

### II. REQUIREMENTS ARRANGED BY YEARS

#### FRESHMAN YEAR

##### I. Required Studies.

*English* 1. Three hours.

*French* 1 or 2, 3, 4 or } Three hours.

*German* 1 or 2. }

*Mathematics* 3, 1, 2. Four hours; or

*Mathematics* 4, 5; 15, 16. Five hours.

##### II. Elective Studies.

Two three-hour courses running through the year must be chosen from the following list:

*Latin* 1, 2, 3. For students presenting elementary and advanced Latin for admission.

*Greek* A, B, C. For students not presenting Greek for admission.

*Greek* 1, 2, 3. For students presenting elementary and advanced Greek for admission.

*French* 1. For students not presenting French for admission.

*French* 2, 3, 4. For students presenting elementary French for admission.

*French* 5, 6, 7. For students presenting advanced French for admission.

*German* 1. For students not presenting German for admission.

*German* 2. For students presenting elementary German for admission.

*German* 7. For students presenting advanced German for admission.

*Greek* 33, *Latin* 28, 29. (*Greek and Roman Life*.) For all students.

*Chemistry* 1, 2, 3. For all students.

*Chemistry* 4, 5, 6. For students presenting Chemistry for admission. (Subject to the consent of the department.)

*Botany* 1 or *Comparative Anatomy* 1. For all students.

*Mechanical Drawing* 2, 3. For all students.

### SOPHOMORE YEAR

I. That portion of the required work in modern languages not completed in the Freshman year.

II. Other required and elective courses sufficient with those taken under I to make fifteen hours a week.

### JUNIOR YEAR

I. The required History and Physical or Natural Science, if not previously taken.

II. Other required and elective courses sufficient with those taken under I to make fifteen hours a week.

### SENIOR YEAR

I. All required courses not previously taken.

II. Elective courses sufficient with those taken under I to make fifteen hours a week.

## REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING

### FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 17	Mathematics 18	Mathematics 19
Mech. Drawing 1	Mech. Drawing 1	Mech. Drawing 1
Civil Engineering 1	Civil Engineering 2	Civil Engineering 3
English 1	English 1	English 1
French 2 or German 2	French 3 or German 2	French 4 or German 2

### SOPHOMORE YEAR

Mathematics 20	Mathematics 21	Mathematics 21
Civil Engineering 4	Civil Engineering 5	Civil Engineering 6

SOPHOMORE YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Physics 1	Physics 2	Physics 3
‡Political Science 1	‡Social Science 1	‡Economics 1
	Civil Engineering 7	§Civil Engineering 8
	Civil Engineering 9	Geology 17

*Also, of the following courses, the subject not presented for admission:*

Chemistry 1	Chemistry 2	Chemistry 3
French 1	French 1	French 1
German 1	German 1	German 1

JUNIOR YEAR

Civil Engineering 10, 11	Civil Engineering 12	Civil Engineering 13
Mechanics 1	Mechanics 1	Mechanics 3
Astronomy 4	Astronomy 5	Astronomy 6
Physics 7	Physics 7	Physics 7
Elect. Engineering 1	Elect. Engineering 2	Civil Engineering 15
	Civil Engineering 14	

SENIOR YEAR

Civil Engineering 23	Civil Engineering 24	Civil Engineering 17
Civil Engineering 25	Civil Engineering 29	Civil Engineering 18
Civil Engineering 26	Civil Engineering 27	Civil Engineering 28
Civil Engineering 35	Civil Engineering 35	Civil Engineering 35
Mech. Engineering 22	Mech. Engineering 22	Civil Engineering 19
Mechanics 2	Mechanics 2	Civil Engineering 32
Geology 16	Civil Engineering 30	Civil Engineering 34
	Civil Engineering 31	

REQUIREMENTS FOR THE DEGREE OF BACHELOR  
OF SCIENCE IN MECHANICAL ENGINEERING

FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 17	Mathematics 18	Mathematics 19
Mech. Drawing 1	Mech. Drawing 1	Mech. Drawing 1
Civil Engineering 1	Civil Engineering 2	Civil Engineering 3
English 1	English 1	English 1
French 2 or German 2	French 3 or German 2	French 4 or German 2

‡ Or some other three-term course, in the Department of English, or History, or Philosophy, chosen with the approval of the head of the Department of Civil Engineering.

§ Civil Engineering 8 is taken during the spring recess.

## SOPHOMORE YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 20	Mathematics 21	Mathematics 21
Mech. Drawing 4	Mech. Drawing 5	Mech. Engineering 8
Physics 1	Physics 2	Physics 3
‡ Political Science 1	‡ Social Science 1	‡ Economics 1
	Mech. Engineering 1	Mech. Engineering 2

*Also, of the following courses, the subject not presented for admission:*

Chemistry 1	Chemistry 2	Chemistry 3
French 1	French 1	French 1
German 1	German 1	German 1

## JUNIOR YEAR

Mech. Engineering 19	Mech. Engineering 20	Mech. Engineering 21
Mech. Engineering 16	Mech. Engineering 17	Mech. Engineering 18
Mech. Engineering 3	Mech. Engineering 4	
Mech. Engineering 9	Mech. Engineering 10	Mech. Engineering 11
Mechanics 1	Mechanics 1	Mechanics 3
Physics 7	Physics 7	Physics 7

## SENIOR YEAR

Mech. Engineering 22	Mech. Engineering 22	
Mech. Engineering 5	Mech. Engineering 6	
Mech. Engineering 12	Mech. Engineering 13	Mech. Engineering 14
Mechanics 2	Mechanics 2	Mech. Engineering 15
Elect. Engineering 1	Elect. Engineering 2	Elect. Engineering 3
Mech. Engineering 23	Mech. Engineering 24	Civil Engineering 32
Mech. Engineering 25	Mech. Engineering 25	Mech. Engineering 25

## REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

## FRESHMAN YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 17	Mathematics 18	Mathematics 19
Mech. Drawing 1	Mech. Drawing 1	Mech. Drawing 1
Civil Engineering 1	Civil Engineering 2	Civil Engineering 3
English 1	English 1	English 1
French 2 or German 2	French 3 or German 2	French 4 or German 2

‡ Or some other course, not technical, chosen with the approval of the head of the Department of Mechanical Engineering.

SOPHOMORE YEAR

<i>First Term</i>	<i>Second Term</i>	<i>Third Term</i>
Mathematics 20	Mathematics 21	Mathematics 21
Mech. Drawing 4	Mech. Drawing 5	Mech. Engineering 8
Physics 1	Physics 2	Physics 3
‡ Political Science 1	‡ Social Science 1	‡ Economics 1
	Mech. Engineering 1	Mech. Engineering 3

*Also, of the following courses, the subject not presented for admission:*

Chemistry 1	Chemistry 2	Chemistry 3
French 1	French 1	French 1
German 1	German 1	German 1

JUNIOR YEAR

Mechanics 1	Mechanics 1	Mechanics 3
Mech. Engineering 4	Mech. Engineering 5	
Mech. Engineering 9	Mech. Engineering 10	Mech. Engineering 11
Physics 7	Physics 7	Physics 7
Elect. Engineering 1	Elect. Engineering 2	Elect. Engineering 3
Elect. Engineering 7	Elect. Engineering 8	Elect. Engineering 9

SENIOR YEAR

Mechanics 2	Mechanics 2	Civil Engineering 17
Mathematics 9	Elect. Engineering 11	Physics 19
Elect. Engineering 4	Elect. Engineering 5	Elect. Engineering 6
Physics 23	Physics 23	Physics 23
Elect. Engineering 10	Elect. Engineering 12	Elect. Engineering 13
		Civil Engineering 32
Elect. Engineering 14	Elect. Engineering 14	Elect. Engineering 14

REGULATIONS UNDER WHICH A STUDENT MAY TAKE  
A FIRST DEGREE IN LESS THAN FOUR YEARS

A candidate for a first degree, who has credit for the required number of hours of work including all the required subjects may, at the end of the term in which his work is completed, be excused from further attendance at the University and may receive his degree at the Commencement next following such term.

A candidate for a first degree who has maintained a satisfactory standing in his studies may, subject to the consent of the Committee on Registration

‡ Or some other course, not technical, chosen with the approval of the head of the Department of Electrical Engineering.

and Attendance, take work in addition to the regular number of hours prescribed in the curriculum of the course which he is pursuing.

A candidate for a first degree may receive credit for work done at the summer school of an approved institution of collegiate rank, provided that the work have the approval of the head of the corresponding department in Brown University. The amount of credit allowed at the institution in question will be allowed at Brown University, but the total credit for work at summer schools for any one summer shall not exceed fifteen term hours.

A candidate for a first degree may, with the consent of the head of a department and with the approval of the Faculty, pursue studies connected with that department during any summer in which he does not attend a summer school, and may receive credit for such studies, provided that the work be under the supervision of the head of the department concerned and that the candidate pass an examination in all the work before the end of the following term. The amount of credit will be determined by the head of the department, but the total credit for any one summer shall not exceed nine term hours. No student will be allowed to do summer work in connection with any department of the University until he has presented to the head of the department a registration slip signed by the Registrar.

If a student at the beginning of his Senior year lacks less than forty-five term hours of completing his course he may, with the consent of the Committee on Registration and Attendance, distribute his work over the year.

If a student at the beginning of any term lacks less than fifteen term hours of completing his course he may, for reasons deemed sufficient by the Committee on Registration and Attendance, be excused from taking more than the necessary number of hours.

For conditions under which graduate work may be pursued during the Senior year, see page 54, under Admission of Graduate Students.

## REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

To obtain the degree of Master of Arts, the candidate must first have received the degree of Bachelor of Arts, of Philosophy, of Science,<sup>‡</sup> or of Letters, or, being a student in the Senior class in Brown University, must have been admitted, in the manner prescribed under Admission of Graduate Students, to candidacy for the bachelor's degree and the master's degree at the ensuing Commencement, and must further complete a course of liberal graduate study of not less than fifteen hours a week for one year. Work done in residence for an advanced degree at another institution, and not to be used in fulfilment of the requirements for an advanced degree elsewhere, may, with the approval of the Dean of the Graduate Department, be offered in

<sup>‡</sup>The degree of Bachelor of Science when given for technical work does not lead to the degree of Master of Arts or Doctor of Philosophy in Brown University.

partial fulfilment of the requirements for the degree of Master of Arts; but the equivalent of at least nine hours' work a week for one year must be done at Brown University. Graduates of Brown University who have to their credit work done as undergraduates and not counted towards the bachelor's degree may offer such work in partial fulfilment of the requirements for the degree of Master of Arts, provided such work is in courses which may be taken by graduates and does not lie in more than three departments, and provided the student has completed the work with a grade of C. When graduate students pursue courses primarily designed for undergraduates, a higher degree of scholarship than in the case of undergraduates will be required.

When any part of the work leading to the degree of Master of Arts is done *in absentia*, the degree will not be conferred until the end of the second full year of study. The degree *in absentia* must be taken within three years after enrolment, unless the period is extended by special action of the Faculty. Candidacy *in absentia* may be terminated at the end of six months if definite evidence of progress has not been submitted. Candidates *in absentia* must register (by correspondence, if necessary) at the beginning of each college year, and make reports to their instructors at the end of each term. A final public examination is required of all candidates *in absentia*. This examination will be held only when notification of the intention to appear for examination is given on or before April 1 of the year in which the candidate desires to receive the degree.

## REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

To obtain the degree of Master of Science, the candidate must first have obtained the degree of Bachelor of Science, or have obtained the degree of Bachelor of Arts or Bachelor of Philosophy upon a course including at least an average of seven hours of work a week for four years in one or more of the mathematical, physical, or natural sciences, of a grade equivalent to that of similar work in Brown University. He must further complete a course of scientific study satisfactory to the Dean of the Graduate Department and the departments concerned, of not less than fifteen hours of work a week for one year, and must present a thesis in one of the graduate courses which he is pursuing; in place of the thesis a six-hour graduate laboratory course extending through the year may be accepted. All the work must be done in residence at Brown University with the exception that work done for the degree of Master of Science at another institution and not to be used in fulfilment of the requirements for any degree elsewhere, may with the approval of the Dean of the Graduate Department and the departments concerned be accepted in partial fulfilment of the requirements for the degree of Master of

Science to the extent of not more than six hours of work a week for one year. All the work of a candidate for the degree of Master of Science must be in one or more of the following subjects : mathematics, engineering, physics, chemistry, astronomy, the biological sciences, psychology, geology, and mineralogy. At least half the work required for the degree of Master of Science must be in courses designed wholly or primarily for graduates ; the remainder may consist of any courses satisfactory to the departments concerned and to the Dean of the Graduate Department.

## REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

To obtain the degree of Doctor of Philosophy, the candidate must first have obtained the degree of Bachelor of Arts, of Philosophy, of Science,<sup>‡</sup> or of Letters. He must spend at least two years continuously in residence, pursuing a systematic course of advanced study approved by the Graduate Department, the Faculty, and the Board of Fellows, and must pass satisfactory examinations thereon. Work done in residence for the degree of Doctor of Philosophy at another institution, and not to be used in fulfilment of the requirements for an advanced degree elsewhere, may, with the approval of the Dean of the Graduate Department, be offered in partial fulfilment of the requirements for the degree of Doctor of Philosophy; one full year of continuous work, however, must be spent at Brown University. The candidate must conclude his course with a thesis embodying the results of original research, giving evidence of high scholarship and of special attainments in the studies pursued, and constituting as a whole a definite contribution to knowledge. The candidate is examined publicly before June 1 by a committee consisting in each case of the Graduate Department, together with those members of the Faculty who have directed the work of the candidate and any other officers of professorial rank in the departments concerned. The examination is held only when notification of the intention to appear for examination is given on or before April 1 of the year in which the candidate desires to obtain his degree. The thesis of a candidate for the degree of Doctor of Philosophy must be presented to the Faculty, in typewritten copy or print, before May 1 in that year. The approval of this thesis by the Faculty is essential to the attainment of the degree.

For the degree of Doctor of Philosophy at least two subjects are necessary, a major and a minor, not in the same department; the major subject must constitute not less than three-fifths of the candidate's work. The selection of the courses constituting the major and the minor subjects must receive the approval of the head of the department in which the major subject lies, and of the Dean of the Graduate Department. The approval of the head of the

<sup>‡</sup> See footnote, page 64.



department in which the minor subject lies is also necessary for the courses elected in his department.

The candidate must possess a reading knowledge of Latin, German, and French adequate for the purposes of his special studies, unless for sufficient reasons he is excused in respect to one of these languages. To test the candidate's proficiency in this particular, he is examined before December 1 in the last year of his candidacy by a committee consisting of the heads of the departments in which the major and the minor subjects lie, and the heads of the departments of Latin, German, and French.

A year of work for the degree of Master of Arts may be, but is not necessarily, counted as a year of work for the degree of Doctor of Philosophy.

## ATTENDANCE, EXAMINATIONS AND STANDING

**E**VERY student is expected to attend the daily chapel service and also every exercise in the several studies to which he is assigned.

A record is kept of the attendance of every student and of his proficiency in his several studies. At the close of each term a report is sent to the parent or guardian of every undergraduate student containing the record of all his absences from required exercises, indicating his standing in each of his studies for the term and his deficiency in any study or studies if any deficiency exists. A student who has failed in three or more courses in any term, counting for more than eight hours a week, cannot continue his work without the permission of the Committee on Registration and Attendance.

### EXAMINATIONS

Except in laboratory, seminary, and similar work, all classes are examined at the close of each term. A student is not admitted to the examinations unless his term bill has been paid in full. A student is not admitted to the examination in a study in which he has received the mark FF or AA.

Examinations other than the regular term examinations are given only in the cases of: (1) students who have received the mark F, (2) students who have received the mark A, and (3) candidates for advanced standing.

A student is not admitted to a special examination except on written authorization from the Registrar. If the examination is taken to remove the mark F or A, the student must pay to the Registrar a fee of two dollars. The Registrar does not authorize special examinations for advanced standing or to remove the mark A without the consent of the Committee on Registration and Attendance.

Special examinations to remove the mark F or A are arranged as follows:

Special examinations upon the work of the first and second terms are given only during the following term on the third Wednesday and succeeding Wednesdays and Saturdays, so many as may be necessary, or in September of the following academic year, so many days as may be necessary preceding the opening. Special examinations upon the work of the third term are given only on the above-mentioned days in the following September.

Students desiring special examinations in the second or third term must make application to the Registrar not later than the first Saturday of the term, specifying the subjects in which examinations are desired. On or before the second Wednesday of the term, a schedule of all special examinations will be posted. Students desiring special examinations in September must make application to the Registrar not later than August 1, specifying the subjects in which examinations are desired. A schedule of the September examinations

is sent to the students concerned not later than September 1. Special examinations on the work of the third term of the Senior year are arranged at the convenience of the instructor.

Special examinations at times other than those scheduled are allowed only by consent of the Committee on Registration and Attendance.

Special examinations for advanced standing are, so far as possible, arranged at the times assigned for other special examinations.

## STANDING

The standing of students is indicated by letters as follows :

H is assigned to those whose work is of such excellence as to merit the designation of honor work.

C is assigned to those who have passed with credit.

P is assigned to those who have passed in the subject, but deserve no higher recognition.

F is assigned to those who failed to pass, but who, in the opinion of the instructor, should be allowed a second examination.

FF is assigned to those whose work during the term has been so unsatisfactory that, in the opinion of the instructor, they should not be allowed an examination, or to those whose work in the regular examination has been so unsatisfactory that, in the opinion of the instructor, they should not be allowed a second examination, or to those who, in a laboratory course, have not completed half the work required.

I is assigned to those whose work is incomplete, but satisfactory so far as done.

A is assigned to those who were absent from examination, unless FF has already been assigned.

AA is assigned to those who have been absent one half the time in a course.

## COURSES OF INSTRUCTION

**I**N every department courses bearing a single number must be elected as a whole. When term courses are grouped in one paragraph (e.g. *Astronomy 1, 2, 3*), the second term may not be taken without the first, nor the third without the second, unless specific statement to the contrary is made. In starred courses a final mark covering the work of the course as a whole will be given at the end of the course, the marks given at the end of the preceding term or terms being regarded as temporary. When the time of meeting is not announced it will be arranged with the instructor at the beginning of the term.

### I. ART

WILLIAM CAREY POLAND, A.M., LITT. D., *Professor of the History of Art*

#### 1, 2, 3. *History of Art from Antiquity through the Renaissance*

First Term, ancient art; a general course in the history of ancient art, chiefly Greek. Second Term, Roman, early Christian, and Mediaeval art; a study of Roman, Romanesque, and Gothic art, with some notice of Byzantine, Arabian, and Oriental art. Third Term, art of the Renaissance; the fifteenth and sixteenth centuries; the effect on art of the dominant motives of the epoch, the development of art in the different countries of Europe, the great masters and their most significant works. Text-book, lectures, lantern views.

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently. *Mon., Wed., Th., at 10.20.*

#### 4, 5. *Modern Art*

First Term, the seventeenth and eighteenth centuries. Second Term, the nineteenth century. Text-book, lectures, special assigned topics, lantern views.

Three hours. First and Second Terms. Elective for Juniors, Seniors, and Graduates, who have credit for 3. *Tu., Th., Sat., at 12.20.*

#### 6. *Theory and Criticism of the Fine Arts*

A study of the more important facts and laws of artistic production. Text-book, special assigned topics, illustrated lectures.

Three hours. Third Term. Elective for students who have credit for any course in Art. *Tu., Th., Sat., at 12.20.*

### 7. *Seminary in Classical Architecture*

Critical study; reading of Vitruvius in Latin; discussion of the principles followed by the Greek and Roman architects, and of the influence of Vitruvius upon the Renaissance.

Three hours. Second and Third Terms. Elective for Graduates.

### [8. *Seminary in Greek and Roman Sculpture*]

An archaeological course based on Overbeck's *Schriftquellen*.

Three hours. Through the year. Elective for Graduates who read Greek and Latin. Not offered in 1906-7.

### 9. *Seminary Study of the Acropolis of Athens*

Critical reading, in the Greek, of Pausanias's account of the Acropolis of Athens; lectures and illustrations.

Three hours. First Term. Elective for Graduates who read Greek and Latin.

### 10. *Freehand Drawing*

Training of hand and eye by progressive study of models of machine parts, casts of ornamental forms, and still-life objects.

One hour. Two hours of drawing. Through the year. Elective for all students. Given at the Rhode Island School of Design. *Tu., or Th., or Fri., at 2.20.*

### 11. *Practical Work in Art*

Six hours of drawing or other practical work. To illustrate the principles of delineation, color, and chiaroscuro, and the principles of design in architecture, sculpture, and painting, as exemplified in the historic forms of art.

Three hours. Through the year. Elective for students who have credit for 10, and who have taken or are taking 1, 2, 3. Given at the Rhode Island School of Design. *Tu., Th., Fri., at 2.20.*

### [12. *Seminary in Renaissance Art*]

Critical study of the art of the fifteenth and sixteenth centuries, particularly Italian. A more detailed study of the spiritual conditions, the influences, and the masters, than in 3.

Three hours. Through the year. Elective for Graduates who have credit for 3. Not offered in 1906-7. To be offered in 1907-8.

## II. ASTRONOMY

WINSLOW UPTON, A.M., Sc.D., *Professor of Astronomy*

FREDERICK SLOCUM, Ph.D., *Assistant Professor of Astronomy*

1, 2, 3. *General Course*

Fundamental conceptions of the science; methods of professional study; present state of our knowledge of the heavenly bodies. Young's *Manual of Astronomy*; lectures and abstracts upon assigned topics. Designed either for purposes of general culture or as a preparation for technical work. *Professor UPTON.*

Three hours. Through the year. Elective for Juniors and Seniors who have credit for Mathematics 3, 1, 2. *Tu., Th., Fri., at 3.20.*

4, 5, 6. *Geodetic Astronomy*

Application of astronomy to geodesy; the problems of time, latitude, longitude, and azimuth. Computations and observations. *Professor UPTON.*

Three hours. Through the year. Required of Engineering students. Elective for Juniors and Seniors who have credit for Mathematics 3, 1, 2. May be taken at the same time as 1, 2, 3. *Mon., Tu., Th., at 2.20.*

7, 8, 9. *Nautical Astronomy*

Principles of navigation; methods of determining the position of a ship at sea; use of sextant, compass, and chart for determining latitude, longitude, bearings, and courses. *Professor SLOCUM.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors, who have credit for Mathematics 3, 1, 2. May be taken at the same time as 1, 2, 3. Not elective for students who have taken or are taking 4, 5, 6. *Mon., Wed., Th., at 10.20.*

10, 11, 12. *Practical Astronomy*

Advanced study of geodetic applications of astronomy; method of least squares. Doolittle's *Practical Astronomy*, with instrumental observations. *Professor UPTON.*

Three hours. Through the year. Elective for Graduates, and for Undergraduates who have shown special aptitude for instrumental observations.

13, 14, 15. *Special Advanced Work*

Subjects selected to meet the requirements of individual students. *Professor UPTON.*

Three hours. Through the year. Elective for Graduates.

## III. BIBLICAL LITERATURE AND HISTORY ‡

HENRY THATCHER FOWLER, PH.D., *Professor of Biblical Literature and History*

HENRY ENGLANDER, A.M., *Assistant in Biblical Literature and History*

1. *Elementary Hebrew*

Grammar; exercises in writing Hebrew; translation of parts of Genesis and Deuteronomy. *Professor FOWLER and Mr. ENGLANDER.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates.

2. *Historical Hebrew*

Reading of the books of Samuel and Kings with special attention to the acquisition of a vocabulary; review of the elements of Hebrew grammar and study of syntax. *Professor FOWLER and Mr. ENGLANDER.*

Three hours. Through the year. Elective for students who have credit for 1.

3. *Hebrew Literature*

Psalms literature. Critical translation of the lyric poetry of the Old Testament, and investigation of the characteristics and development of Hebrew poetry. In succeeding years corresponding courses in the Wisdom, Legal, and Prophetic literature of the Old Testament will be offered. *Professor FOWLER.*

Three hours. Through the year. Elective for Graduates and approved Undergraduates.

4. *Textual Criticism of the Old Testament*

The principles and method of textual criticism, in connection with the study of one of the shorter prophetic books. *Mr. ENGLANDER.*

Three hours. One term. Offered if applied for by Graduates.

5. *Biblical Aramaic*

Grammar and reading of the Aramaic portions of the Old Testament. *Mr. ENGLANDER.*

Three hours. One term. Offered if applied for by students who have credit for 1.

6. *Elementary Arabic*

Grammar; exercises in writing Arabic; translation of prose selections. *Professor FOWLER.*

Two hours. Through the year. Elective for Seniors and Graduates.

‡ For conditions under which students may receive credit in the Newton Theological Institution for work done in this department, see page 153, under Arrangements with Other Institutions.

### 7, 8, 9. *Gospels and Epistles*

Characteristics of Hellenistic Greek; translation, and investigation of date, authorship, and thought. First Term, the Johannine writings. Second Term, the Gospel of Mark and the First Epistle of Peter. Third Term, the Gospels of Matthew and Luke. *Professors ALLINSON and FOWLER.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently. *Mon., Tu., Th., at 2.20.*

### [10, 11, 12. *Acts and Pauline Epistles*]

First Term, Acts. Second Term, Thessalonians and Galatians. Third Term, Corinthians and Romans. *Professors ALLINSON and FOWLER.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently. Not offered in 1906-7.

### 13. *Hebrew and Early Jewish History and Literature*

First Term, early Semitic history, the formative age of Hebrew history, and Hebrew literature before the Monarchy. Second Term, history and literature of the Hebrew Monarchy. Third Term, Jewish history and literature from the Captivity to the Maccabean Revolt. Includes nearly the entire Old Testament history and literature. In connection with 14, gives a comprehensive view of Biblical history and literature. The Biblical books are read in the best English translations; no knowledge of the original languages is required. *Professor FOWLER.*

Three hours. Through the year. Elective for Sophomores, Juniors, Seniors, and Graduates. *Mon., Wed., Th., at 10.20.*

### [14. *Later Jewish and Early Christian History and Literature*]

First Term, the Maccabean and Roman ages of Jewish history and literature. Second Term, the four Gospels and the life of Christ. Third Term, the Acts, Epistles, Apocalypse, and the history of the Apostolic age. Includes a large part of the Jewish writings from the second century B.C. to the fall of Jerusalem, and the entire New Testament history and literature, studied in its Jewish setting. In connection with 13, gives a comprehensive view of Biblical history and literature. The books are read in the best English translations; no knowledge of the original languages is required. *Professor FOWLER.*

Three hours. Through the year. Elective for Sophomores, Juniors, Seniors, and Graduates. Not offered in 1906-7.



### 15.\* *Biblical Seminary*

Subject for 1906-7: Documentary analysis of the Old Testament historical books. No knowledge of Hebrew is required. *Professor FOWLER.*

Three hours. Through the year. Elective for Graduates and approved Juniors and Seniors.

### 16. *Principles of Historical Criticism and Research.*

This course is the same as the first term of course 25 offered by the Department of History. *Professor MACDONALD.*

One hour. First Term. Elective for Graduates of one year's standing. Required of all candidates for the degree of Doctor of Philosophy in Biblical Literature and History.

## IV. BOTANY

JAMES FRANKLIN COLLINS, PH.B., *Assistant Professor of Botany*

### 1. *Introductory Course*

Introductory to all other courses in the department; also designed for those who, without intending to pursue the subject further, desire a general view of biological work and biological theories. Aims to give an introduction to laboratory methods of dissection and experiment and the use of the microscope, to afford a general view of the structure and functions of plants and animals, and to present an outline of the more important biological theories, such as evolution, natural selection, variation, mutation, and heredity. After the first term Botany 1 and Comparative Anatomy 1 are identical and the classes are combined.

Three hours. Six hours of attendance. Through the year. Elective for Undergraduates. *Mon., Tu., Th., 2.20 to 4.20.*

### [2.\* *Morphology and Physiology*]

Minute structure and special functions of plants, plant cells, and tissues; embryology; glycerin and paraffin technic, etc. The work of the third term is arranged to meet the more special needs of students intending to take up either medicine or forestry. Certain portions of this course may, with the approval of the instructor, be continued by Juniors, Seniors, and Graduates, in course 6.

Three hours. Six hours of attendance. Through the year. Elective for Sophomores, Juniors, and Seniors, who have credit for 1, and for approved Graduates. Not offered in 1906-7. To be offered in 1907-8. Alternates with 3, 4, 5.

3, 4, 5. *Cryptogams*

Structure, development, physiology, embryology, classification, etc. First Term, lower fungi and algae. Second Term, higher fungi and fungal diseases of crops and trees. Third Term, hepatics, mosses, ferns, and their allies. Intended to give a general view of the evolution of the cryptogams and of the life-history of certain types. Special stress is laid upon fungal diseases and upon the methods of investigating and experimenting with little known or unknown diseases. Certain portions of this course may, with the approval of the instructor, be continued by Juniors, Seniors, and Graduates, in course 6.

Three hours. Six hours of attendance. Through the year. Course 3 is elective for Sophomores, Juniors, and Seniors, who have credit for 1, and for approved Graduates. Courses 4 and 5 are each elective for those who have credit for 3. Not to be offered in 1907-8. Alternates with 2. *Mon., Wed., Fri., at 12.20.*

6.\* *Investigation*

The character of the problems varies, and the course may therefore be taken two or more years in succession. Students electing this course must, so far as possible, definitely arrange the details of work and the time schedule with the instructor before June 1 of the preceding academic year. Special work upon almost any phase of botany may be chosen if approved by the instructor.

One to three hours. Through the year. Two to six hours of attendance for qualified Juniors and Seniors. Primarily for Graduates, who may, with the approval of the instructor, elect the course for more than three hours.

## V. CHEMISTRY

JOHN HOWARD APPLETON, A.M., Sc.D., *Newport-Rogers Professor of Chemistry*

JOHN EMERY BUCHER, Ph.D., *Associate Professor of Organic Chemistry*

MAURICE LOUIS DOLT, Ph.B., *Instructor in Chemistry*

FRANCIS HERVEY SMITH, Ph.B., Sc.M., *Assistant in Chemistry*

FREDERICK STEERE BEATTIE, Ph.B., *Assistant in Chemistry*

1, 2, 3. *Descriptive Chemistry*

Non-metals; metals, their metallurgy, compounds, and practical applications; theoretical chemistry. Lectures with experiments; writ-

ten exercises; individual laboratory work. *Professor* BUCHER, *Messrs.* DOLT and SMITH.

Three hours. Through the year. Elective for Undergraduates. *1st div. Mon., Th., at 10.20; 2d div. Tu., Fri., at 10.20; 3d div. Wed., Sat., at 11.20.* Laboratory hours to be arranged with the instructor.

#### 4, 5. *Qualitative Analysis*

First Term, properties of the metallic elements; their separation from certain of their compounds. Laboratory work; recitations in qualitative analysis and in chemical philosophy; exercises in stoichiometry. Second Term, the principal non-metals and the acids formed by them; methods of separation and recognition of acids and acid radicles. *Professor* APPLETON and *Mr.* BEATTIE.

Three hours. Six hours of attendance. First and Second Terms. Elective for Juniors who have credit for 1, 2, 3. *1st div. Fri. at 11.20; 2d div. Sat. at 10.20.* Laboratory hours to be arranged with the instructor.

#### 6. *Quantitative Analysis*

Quantitative precipitations and separations of the most important elements and compounds; the principles upon which quantitative apparatus is constructed; chemical philosophy and stoichiometry continued. Chiefly laboratory work. *Professor* APPLETON and *Mr.* BEATTIE. Three hours. Six hours of attendance. Third Term. Elective for Juniors who have credit for 4, 5. *1st div. Fri. at 11.20; 2d div. Sat. at 10.20.* Laboratory hours to be arranged with the instructor.

#### 7, 8, 9. *Quantitative Analysis, advanced course*

Assaying of metallic ores; analysis of agricultural materials; testing of chemicals used in textile establishments, etc. *Professor* APPLETON and *Mr.* BEATTIE.

Six hours. Twelve hours of attendance. Through the year. Elective for Seniors and Graduates who have credit for 6. Laboratory hours to be arranged with the instructor.

#### 10, 11, 12. *Organic Chemistry*

Preparation and analysis of representative organic compounds. Lectures, recitations, and laboratory work. *Professor* BUCHER and *Mr.* DOLT.

Six hours. Through the year. First and Second Terms, three lectures a week and three laboratory periods a week. Elective for approved Juniors, Seniors, and Graduates. *Mon., Th., Fri., at 9.20.*

**13. *Assaying***

*Professor APPLETON and Mr. BEATTIE.*

Six hours. Twelve hours of attendance. Third Term. Elective for Seniors and Graduates who have credit for 1-6.

**14. *Dyeing of Cotton, Wool, and Silk***

The preparation and use of mordants, dyestuffs, etc. *Professor APPLETON and Mr. BEATTIE.*

Six hours. Twelve hours of attendance. Third Term. Elective for approved Seniors and Graduates.

**15, 16, 17. *Industrial Chemistry***

Lectures and laboratory work. *Professor APPLETON.*

Three to six hours. Six to twelve hours of attendance. Through the year. Elective for approved Graduates. Each term may be elected independently.

**[18, 19, 20. *Physical Chemistry*]**

Lectures and laboratory work. *Professor BUCHER.*

Three hours. Through the year. Elective for approved Juniors, Seniors, and Graduates. Not offered in 1906-7. To be offered in 1907-8.

**21, 22. *Organic Chemistry, advanced course***

*Professor BUCHER.*

Three hours. First and Second Terms. Elective for approved Graduates. Not to be offered in 1907-8. *Tu., Wed., Sat., at 9.20.*

**23. *Inorganic Chemistry, advanced course***

*Professor BUCHER.*

Three hours. Third Term. Elective for approved Juniors, Seniors, and Graduates. Not to be offered in 1907-8. *Tu., Wed., Sat., at 9.20.*

**24, 25, 26. *Organic Preparations, advanced course***

*Professor BUCHER.*

Three hours. Through the year. Elective for approved Juniors, Seniors, and Graduates.

**27, 28, 29. *Inorganic Preparations, advanced course***

*Professor BUCHER.*

Three hours. Through the year. Elective for approved Juniors, Seniors, and Graduates, who have credit for 10, 11, 12.

**30, 31, 32. *Research Work in Chemistry****Professor* BUCHER.

Three hours, or more. Through the year. Elective for Graduates.

**33, 34, 35. *Conference on Special Topics in Chemistry****Professor* BUCHER.

One hour. Through the year. Elective for approved students.

**36, 37, 38. *Conference on Special Topics in Chemistry****Professor* APPLETON.

One hour. Through the year. Elective for approved students.

**VI. CIVIL ENGINEERING ‡**JOHN EDWARD HILL, C.E.M., Sc.D., *Professor of Civil Engineering*ARTHUR HORACE BLANCHARD, C.E., A.M., *Associate Professor of Civil Engineering*HORACE EDWARD CHANDLER, Sc.B. in C.E., *Assistant in Civil Engineering***1, 2, 3. *Lettering***Practice in simple lettering as a preparation for work in the drafting room. *Professor* HILL.One hour. Two hours of drafting. Through the year. Not elective. *1st div. Tu., 2.20 to 4.20; 2d div. Fri., 2.20 to 4.20. Second Term, 3d div. Wed., 2.20 to 4.20.***4, 5, 6. *Surveying, elementary course***Theory and practice of plane surveying; use of tape, compass, level, and transit; adjustment of instruments. Lectures, recitations, field work, and drafting. *Professors* HILL and BLANCHARD, *Mr.* CHANDLER.Three hours. One hour of recitation, First and Third Terms, and usually six hours of field work or drafting. Through the year. Elective for students who have credit for Mathematics 3, 1, 2, and for Mechanical Drawing 1 or 2. *Tu., 11.20; Mon., Th., 2 to 5.***7. *Topographical Drawing***Pen and colored topography; hill shading by different methods, contour drawing, topographic map-making, conventional signs for structural materials. *Professor* BLANCHARD and *Mr.* CHANDLER.

‡ All courses in this department except 16 are required of candidates for the degree of Bachelor of Science in Civil Engineering; all except 1, 2, 3, and 32 and 35 are elective for other students.

Three hours. Six hours of drafting. Second Term. Elective for Juniors and Seniors who have credit for Drawing 1 or 2. *Wed., Fri., 2 to 5.*

### 8, 9. *Surveying, advanced course*

Topography and hydrography; city surveying; use of stadia, plane table, sextant, and barometer; precise base-line measurements with steel tape. Methods as in 4, 5, 6. *Professors HILL and BLANCHARD, Mr. CHANDLER.*

Three hours and one hour. Second Term. Course 8 is taken during the spring recess. Elective for students who have credit for 4. *Tu. at 11.20.*

### 10, 11, 12, 13. *Railroad Engineering*

Theory, location, construction, and economics of railroad engineering. Lectures, recitations, field work, and drafting. First Term, railroad curves and practical problems; actual location of a line about two miles long, map, and estimate of cost. Second Term, railroad track and track work, ties, ballast, rails, frogs, switches, etc.; maintenance of way department; methods of work. Third Term, earthwork and its cost; rock excavation; tunnelling; economics of location. *Professor HILL and Mr. CHANDLER.*

Two, four (eight hours of field work), three, and three hours. First, First, Second, and Third Terms. Elective for students who have credit for 6 and 9. First Term, *Fri. 10.20 to 12.20; Wed. 8 to 5.* Second Term, *Tu., Wed., Fri., at 9.20.* Third Term, *Mon., Wed., Fri., at 10.20.*

### 14. *Hydraulic Engineering* ‡

Consideration of water supply mainly from a sanitary standpoint. A general course designed to give the chemical and biological aspects of water supply without laboratory work. Lectures, recitations, and seminary work. *Professor HILL.*

Three hours. Second Term. Elective for Juniors and Seniors. *Tu., Wed., Fri., at 10.20.*

### 15. *Geodesy*

Problems in geodetic surveying, with sufficient theory for a proper understanding of the formulæ used. Lectures and computations. *Professor HILL and Mr. CHANDLER.*

Three hours. One hour of recitation and five hours of computation. Third Term. Elective for students who have credit for 6 and 9, and Astronomy 5. *Th. at 10.20; Fri. 2.20 to 5.20; Sat. 9.20 to 11.20.*

‡ Courses 14, 17, and 18 cover the general subject of sanitation.

### 16. *Municipal Improvements*

Economic and social aspects of sewerage, water works, pavements, etc. *Professor HILL.*

Three hours. First Term. Elective for Juniors and Seniors. Offered only if ten or more elect the course. *Mon., Th., Fri., at 9.20.*

### 17. *Hydraulic Engineering*†

Supplements Mechanics 2, which gives the theoretical treatment of the subject. Consideration of water supply mainly from an engineering standpoint. Irrigation, pumps, and pumping machinery; construction of dams and reservoirs. Lectures, recitations, and seminary work. *Professor HILL.*

Three hours. Third Term. Elective for students who have credit for Mathematics 6, Mechanics 2, and Drawing 1. *Mon., Wed., Fri., at 9.20.*

### 18. *Sanitary Engineering*‡

Sewerage and house drainage; theory of sewerage, with occasional problems in design; treatment and disposal of sewage; stream pollution; appliances used in construction and maintenance; amount and velocity of flow; house drainage and its appliances; garbage collection and disposal. Lectures, recitations, and seminary work. *Professor HILL.*

Three hours. Third Term. Elective for students who have credit for Mathematics 6, Mechanics 2, and Drawing 1. *Mon., Wed., Fri., at 11.20.*

### 19. *Highway Engineering*

Economics and location of country roads; surveys, grades, drainage, and foundations; construction of roads of earth, gravel, and broken stone; economics and design of street pavements of asphalt, brick, cobble-stone, stone-block, and wood-block; methods of testing road materials; roads and pavements in foreign countries. *Professor BLANCHARD.*

Three hours. Third Term. Elective for Sophomores, Juniors, and Seniors. *Mon., Tu., Th., at 8.*

### [20, 21, 22. *Laboratory Investigations*]§

Use and adjustment of instruments; testing materials; stereotomy. *Professor HILL.*

† Courses 14, 17, and 18 cover the general subject of sanitation.

§ In 1906-7 students in Civil Engineering will take Mechanical Engineering 22 in place of Civil Engineering 20 and 21.

Three hours. Through the year. Elective for students who have credit for Mathematics 6, Mechanics 1, and Drawing 1. Not offered in 1906-7.

### 23. *Simple Framed Structures*

The standard forms of simple roof trusses; calculation by analytical methods of stresses due to dead, snow, and wind loads; calculation by analytical methods of stresses in Pratt, Howe, Warren, and parabolic trusses due to dead, wind, uniform live, excess panel live, and locomotive wheel loads; miscellaneous trusses, skew bridges, influence lines, cranes, trussed bents, and towers. Lectures, recitations, and seminary work. *Professor BLANCHARD.*

Three hours. First Term. Elective for students who have credit for Mathematics 6, Mechanics 1, and Drawing 1 or 2. *Mon., Tu., Th., at 9.20.*

### 24. *Higher Framed Structures*

Continuous bridges; theorem of three moments; swing bridges; calculation of stresses in continuous and non-continuous center-bearing swing bridges; draw-span machinery; cantilever bridges and suspension bridges; general analysis of three-hinged, two-hinged, and fixed-end arches. Lectures, recitations, and seminary work. *Professor BLANCHARD.*

Two hours. Second Term. Elective for students who have credit for 23. *Mon., Th., at 8.*

### 25. *Structural Details*

Riveted joints, roof details, tension members, combined direct and bending stresses, secondary stresses, columns under direct and eccentric loading; details of wooden structures; plate girder, parabolic highway, pin-connected, and riveted Pratt truss railroad bridges; construction of viaducts and elevated railroads; steel mill-building and high-building construction; comparison of standard structural specifications. Lectures and computations. *Professor BLANCHARD.*

Three hours. First Term. Elective for students who have taken or are taking 23. *Mon., Tu., Th., at 8.*

### 26. *Roof Design and Graphic Statics*

Graphic determination of center of gravity and moment of inertia of combinations of structural shapes; determination by graphical methods of stresses in simple roof trusses; moment and shear diagrams for the determination of stresses in plate girder bridges, Pratt trusses, and bridge trusses with inclined chords; complete design, with shop drawings, of a fifty to seventy foot roof truss; re-



vision and discussion of checked drawings; drawing and computations; inspection trips. *Professor BLANCHARD and Mr. CHANDLER.*

Three hours. One hour of recitation and four hours of drafting. First Term. Elective for students who are taking 23 and 25. *Tu. at 10.20; Mon., Th., 10.20 to 12.20; Wed. 2 to 5.*

### 27, 28. *Bridge Design*

Detail design, with shop drawings, of a heavy plate girder railroad bridge; general design, with shop drawings, of a two hundred foot parabolic highway bridge; general class design of a wooden trestle. Lectures on American and English shop practice, the esthetic design of bridges, design of stand-pipes and elevated tanks, and American methods of erection of bridges and structures. Drawing, computations, field excursions, and seminary work or lectures. *Professor BLANCHARD and Mr. CHANDLER.*

Four and three hours. Eight and six hours of drafting. Second and Third Terms. Elective for students who have credit for 23, 25, 26. Second Term, *Th. 10.20 to 12.20; Tu., Th., 1.20 to 4.20.* Third Term, *Tu. 10.20 to 12.20 and 1.20 to 4.20; Th. at 10.20.*

### 29. *Reinforced Concrete Structures*

Properties of reinforced concrete; theory and design of reinforced concrete structures; systems of reinforcement; methods of construction. *Professor BLANCHARD.*

One hour. Second Term. Elective for students who have credit for 23 and 25 and are taking 30. *Mon. at 9.20.*

### 30. *Masonry Structures*

Static and elastic theory of the masonry arch; design of a stone arch; theory and design of masonry piers, of retaining walls, and of earth and high masonry dams; design of a reinforced concrete arch. *Professor BLANCHARD and Mr. CHANDLER.*

Three hours. One hour of recitation and four hours of drafting. Second Term. Elective for students who are taking 29. *Tu. at 8; Mon., Tu., 10.20 to 12.20.*

### 31. *Foundations*

Soundings and borings, foundation-beds, deposition of concrete under water, timber foundations, coffer dams, open caissons, Cushing cylinder piers, pile formulae, driving and foundations, pneumatic caissons of wood and steel, open dredging, the Poetsch freezing process, foundations in quicksand, foundations for high buildings. *Professor BLANCHARD.*

Two hours. Second Term. Elective for students who have credit for 23 and 25. *Tu., Th., at 9.20.*

### 32. *Engineering Jurisprudence*

Essential elements of a contract, the parties to a contract, considerations, bids and bidders, work for private parties and public work. Employment of engineers; liability of the engineer as a professional man; when his functions are judicial; when he is a public officer. Real property, water rights, ownership, rights of way, boundaries, incorporeal rights, and franchises. Engineering specifications and accompanying documents. *Professor BLANCHARD.*

Two hours. Third Term. Required of candidates for the degree of Bachelor of Science. *Tu., Th., at 9.20.*

### 34. *Design of Sanitary Works*

Practical applications of the principles of design discussed in courses 17 and 18. *Professor HILL.*

One hour. Third Term. Elective for students who have taken or are taking 17 and 18. *Th. at 11.20.*

### 35. *Thesis*

A thesis is required of all candidates for the degree of Bachelor of Science in Civil Engineering. The thesis must embody either a design or a review of an engineering plant, appliance, process, or structure, or the results of an experimental investigation.

## VII. COMPARATIVE ANATOMY

ALBERT DAVIS MEAD, PH.D., *Professor of Comparative Anatomy*

FREDERIC POOLE GORHAM, A.M., *Associate Professor of Biology*

HERBERT EUGENE WALTER, PH.D., *Assistant Professor of Comparative Anatomy*

MICHAEL XAVIER SULLIVAN, PH.D., *Instructor in Physiology*

FRANK TAYLOR FULTON, SC.B., M.D., *Instructor in Pathology and Histology*

JAY PERKINS, M.D., *Demonstrator in Anatomy*

### 1. *Introductory Course*

Introductory to all other courses in the department; also designed for those who, without intending to pursue the subject further, de-

sire a general view of biological work and biological theories. Aims to give an introduction to laboratory methods of dissection and experiment and the use of the microscope, to afford a general view of the structure and functions of animals and plants, and to present an outline of the more important biological theories, such as evolution, natural selection, variation, mutation, and heredity. After the first term Comparative Anatomy 1 and Botany 1 are identical and the classes are combined. *Professor GORHAM.*

Three hours. Six hours of attendance. Through the year. Elective for Undergraduates. *Mon., Tu., Th., 2.20 to 4.20.*

## 2. *Anatomy*

Includes the study of each organ from its primitive form in the lowest animals to its most complex form in the higher animals and in man. Aims to give a thorough knowledge of the structure and meaning of each organ of the animal body. Designed for students of biology and of medicine. Students are permitted to attend clinics and autopsies at the Rhode Island Hospital. Laboratory work and lectures. *Professor WALTER.*

Three hours. Six hours of attendance. Through the year. Elective for Sophomores, Juniors, and Seniors who have credit for 1, 20, or 21.

## 3. *Bacteriology*

Preparation and microscopic study of bacteria; the preparation of culture media; isolation, systematic study, and determination of unknown species; qualitative and quantitative biological examination of water, milk, air, and soil; methods of determining pathogenic properties of bacteria; methods of sterilization and disinfection; special work on pathogenic forms. *Professor GORHAM.*

Three hours. Six hours of attendance. Third Term. Elective for Juniors and Seniors, and for Sophomores who are not taking any other course in the department. *Mon., Wed., Th., at 10.20.*

## 4. *Histology*

The structure of different kinds of tissues of the body, and the relation of structure to physiological activity; epithelium, nervous and reproductive tissue, glands, bone, cartilage, fat, fibrous tissues; training in the technic of fixing, sectioning, and staining by various approved methods. *Professor MEAD.*

Three hours. Six hours of attendance. First Term. Elective for Juniors and

Seniors who have credit for 1, and for Sophomores who have credit for 1 and who are not taking any other course in the department.

### *5. Advanced Histology*

Chiefly morphological study of the blood, the skin and its appendages, the gastro-intestinal tract, the circulatory system, and the muscles of man; relation of diseases to structural changes in the cells and tissues. *Dr. FULTON.*

Three hours. Six hours of attendance. Second Term. Elective for Juniors and Seniors who have credit for 4, and for Sophomores who have credit for 4 and who are not taking any other course in the department.

### *7. Chemical Physiology*

The chemistry of the proteids, carbohydrates, and fats; of salivary, gastric, and pancreatic digestion; of the blood, bile, and urine; the analysis of milk and of water; toxicology. *Dr. SULLIVAN.*

Three hours. Six hours of attendance. First and Second Terms. Must be preceded by Chemistry 2. Elective for Juniors and Seniors, and for Sophomores who are not taking any other course in the department. *Tu., Fri., Sat., at 10.20.*

### *8. Physical Physiology*

The physiology of muscle and nerve; the physics and physiology of the circulatory, respiratory, and alimentary systems; the causes and theories of sleep; the physiology of the special senses. *Dr. SULLIVAN.*

Three hours. Six hours of attendance. Third Term. Must be preceded by 7. Elective for Juniors and Seniors, and for Sophomores who are not taking any other course in the department. *Tu., Fri., Sat., at 10.20.*

### *9. Anatomy of the Nervous System*

The gross anatomy and the microscopic structure of the nervous system in vertebrates, especially in man; phylogeny, embryology, and physiology of the nervous system, and special nerve methods in micro-technic. *Professor MEAD.*

Three hours. Six hours of attendance. Through the year. Elective for Juniors and Seniors who have credit for 1. Not to be offered in 1907-8.

### *[10. Comparative Embryology]*

Laboratory work. Principles of embryological development and of heredity, illustrated by the fertilization and cleavage of the egg, metamorphosis, and organ formation. Special attention given to the origin and development of the human body. *Professor MEAD.*

Three hours. Six hours of attendance. Through the year. Elective for Juniors and Seniors who have credit for 1. Not offered in 1906-7. To be offered in 1907-8.

11. *Biological Theories and Biological Problems*

Seminary course. *Professor MEAD.*

One to three hours. Through the year. Elective for Graduates.

12. *Bacteriology, advanced course*

Laboratory work and seminary. *Professor GORHAM.*

Three to twelve hours. Through the year. Elective for Graduates.

13. *Physiology, advanced course*

Laboratory work and seminary. *Dr. SULLIVAN.*

Three to twelve hours. Through the year. Elective for Graduates who have sufficient knowledge of chemistry and physiology.

14. *Human Anatomy*

Laboratory instruction. A course in practical dissection. Students also have an opportunity to attend certain operations at the hospital and to be present at autopsies. *Dr. PERKINS.*

Three hours. Through the year. Elective for Graduates.

15. *Special Advanced Work*

Research work arranged to meet the requirements of individual students. *Professor MEAD.*

Three to twelve hours. Through the year. Elective for Graduates.

[16. *General Biology*]

Designed to give a general view of the whole field of biology: the history of biology, principles of classification, geographical distribution, and problems of evolution such as heredity, natural selection, variation, Mendelism, and the general structural relations of man to the lower animals. Lectures and assigned reading. *Professor MEAD.*

Three hours. Third Term. Elective for Juniors and Seniors. Not offered in 1906-7. To be offered in 1907-8.

17. *General Physiology and Hygiene*

The principles of general physiology and their application to personal and municipal hygiene. Lectures and assigned reading. *Dr. SULLIVAN.*

Three hours. Third Term. Elective for Juniors and Seniors. *Mon., Wed., Th., at 10.20.* Not to be offered in 1907-8.

### 18. *Ornithology*

A study of birds regarded as a group of living animals in relation to their environment. Lectures and field identification of wild birds during their spring migration. *Professor WALTER.*

One hour. Two hours of attendance. Third Term. Elective for Undergraduates.

## VIII. ECONOMICS†

HENRY BRAYTON GARDNER, PH.D., *Professor of Political Economy*

WILLIAM KIRK, PH.D., *Instructor in Political Economy*

### 1. *Political Economy, elementary*

Affords a general outline of the subject, and serves as an introduction to the more extended and special courses which follow. *Professor GARDNER.*

Three hours. Third Term. Sophomore, Junior, or Senior year. Must be preceded by Political Science 1 and Social Science 1. Required of candidates for the degree of Bachelor of Arts; elective for others who have credit for Political Science 1 and Social Science 1. *1st div. Tu., Fri., Sat., at 10.20; 2d div. Mon., Tu., Th., at 11.20.*

### 2.\* *General Economics*

The development and significance of the more important elements in the existing industrial organization; the principles governing the production, exchange, distribution, and consumption of wealth; the more important practical problems of economic life. *Professor GARDNER, First and Second Terms; Dr. KIRK, Third Term.*

Three hours. Through the year. Elective for Juniors and Seniors. *Tu., Fri., Sat., at 10.20.*

### [3. *Money and Banking*]

Principles of money and banking; recent monetary and banking history, particularly of the United States; monetary and banking systems of leading industrial nations; present monetary and banking problems. *Professor GARDNER.*

Three hours. First and Second Terms. Elective for Juniors, Seniors, and Graduates. Not offered in 1906-7. To be offered in 1907-8.

† The courses in this department other than 1 are open only to those students who have credit for Political Science 1, Social Science 1, and Economics 1, which together constitute an introduction to the advanced work of the departments of Social and Political Science and Economics.

#### 4. *Public Finance*

First Term, general principles of public finance; revenues and expenditures of leading industrial nations. Second Term, financial history of the United States. Third Term, local finance: revenues, expenditures, and financial systems of American states and cities.

*Professor GARDNER.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Not to be offered in 1907-8. *Wed., Fri., Sat., at 11.20.*

#### 5. *History and Present Tendencies of Political Economy*

Early economic theories: a critical examination of the theories of the early schools of economists, especially the physiocrats and the early English school, with particular attention to the relation between economic thought and economic life and practice. Recent economic theories: a study of the tendencies of the historical school, the Austrian school, and recent English and American writers. The growth of the principle of monopoly, its influence on the production and distribution of wealth and on the economic well-being of society. *Professor GARDNER and Dr. KIRK.*

Three hours. One session of an hour and a half weekly. Through the year. Elective for Seniors and Graduates who have credit for 2.

#### 6. *The Labor Movement*

History and analysis of the trade-union movement; growth of collective bargaining; labor problems in the United States. *Dr. KIRK.*

Three hours. First Term. Elective for Juniors, Seniors, and Graduates. *Mon., Tu., Th., at 11.20.*

#### 7. *Socialism*

A brief review of the historically important socialistic schemes; mainly a study of the modern scientific socialism of Karl Marx and of the resulting socialistic movements. *Dr. KIRK.*

Three hours. Second Term. Elective for Juniors, Seniors, and Graduates. *Mon., Tu., Th., at 11.20.*

#### [8. *Industrial Corporations*]

Development of the corporate form of business organization; its effects; the problems to which it gives rise. Special emphasis on the recent movements toward combination, and toward control, by the State, of corporations, particularly quasi-public corporations. *Professor GARDNER.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates. Not offered in 1906-7. To be offered in 1907-8.

### 9. *The Tariff*

The arguments for free trade and protection in relation to the principles of international trade; the history of tariff legislation and its effects in the United States. *Dr. KIRK.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates. Not to be offered in 1907-8. *Mon., Tu., Th., at 11.20.*

### 10, 11, 12. *Industrial History*

First Term, the chief stages in the development of the industrial life of England, with special emphasis on the origin and development of the existing form of industrial organization. Second Term, the more important aspects of the industrial development of the colonies and the United States to 1860. Third Term, the growth, organization, and geographical distribution of the main branches of industry since 1860; the relation of the industrial life of the United States to that of the world at large. *Professor GARDNER.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently. *Tu., Th., Sat., at 12.20.*

### [13. *Physical and Commercial Geography*]

A study of the physical features of the land; of climate, winds, ocean currents; of the geographical distribution of food-stuffs and raw materials of industry; and of the consequent development of commerce and of civilization in its economic aspects. Lectures and laboratory work. This course is the same as Geology 12. *Professor BROWN and Dr. KIRK.*

Three hours. Through the year. Elective for Juniors and Seniors. *Wed., Fri., at 11.20; Th. 2.20 to 4.20.* Not offered in 1906-7. To be offered in 1907-8.

### 20, 21, 22. *Investigation of Special Topics*

Intended to train the student in methods of gathering, handling, and presenting data in the study of economic life and problems. Laboratory methods. *Professor GARDNER and Dr. KIRK.*

Three hours. Six hours of attendance. Through the year. Elective for approved Juniors, Seniors, and Graduates. Each term may be elected independently.



## IX. ENGLISH ‡

WALTER COCHRANE BRONSON, A.M., LITT.D., *Professor of English Literature*

LINDSAY TODD DAMON, † A.B., *Professor of Rhetoric*

ALBERT KNIGHT POTTER, A.M., *Associate Professor of the English Language*

GEORGE WYLLYS BENEDICT, PH.D., *Associate Professor of English*

THOMAS CROSBY, A.M., *Assistant Professor of English and Public Speaking*

HENRY BARRETT HUNTINGTON, A.B., *Assistant Professor of English*

GEORGE WARRINGTON LATHAM, A.B., *Instructor in English*

WALTER CLARKE PHILLIPS, A.M., *Instructor in English*

HOWARD BRISTOL GROSE, JR., PH.B., *Instructor in English*

GEORGE RUPERT MACMINN, A.B., *Assistant in English*

HARRY WORTHINGTON HASTINGS, A.M., *Assistant in English*

### 1.\* *Rhetoric and Composition*

Lectures and recitations upon the fundamental laws of style, with special emphasis upon usage; prescribed reading and themes. Designed to give the student a clear and correct style and some critical standards. *Professors* BENEDICT and HUNTINGTON, *Messrs.* LATHAM, PHILLIPS, GROSE, MACMINN, and HASTINGS.

Three hours. Through the year. Required of all Freshmen. *1st, 2d, and 3d div. Fri. at 2.20; Mon., Th., at 11.20. 4th, 5th, and 6th div. Fri. at 2.20; Mon., Wed., at 12.20.*

### 2.\* *English Composition, second course*

Lectures, recitations, and prescribed reading; fortnightly themes and other written exercises. Intended to supplement the training given in 1, and to develop further the power of exact and lucid statement. *Mr.* LATHAM.

Three hours. Through the year. Elective for Sophomores. *Mon., Wed., Th., at 10.20.*

### [3.\* *English Composition, advanced course*]

Frequent practice in composition and criticism. Intended to develop ease of style and clarity and vigor of thought. *Professor* DAMON.

‡ Credit for English 1 is a prerequisite for admission to all other courses in English. The requirement in English Literature for the degree of Bachelor of Arts may be satisfied by taking any one of the courses from 10 to 23 inclusive.

† On leave of absence during the academic year 1906-7.

Three hours. Through the year. Elective for Juniors and Seniors, and for Sophomores who have attained the grade of C in 1. With the consent of the instructor the course may be repeated. Not offered in 1906-7.

#### 4.\* *Argumentative Composition*

Lectures on the principles and forms of argumentative composition; frequent practice in brief-drawing and the writing of forensics and less formal arguments. Intended to develop the power of handling argumentative topics cogently and persuasively. *Professor HUNTINGTON*. Three hours. Through the year. Elective for Juniors and Seniors. *Mon., Wed., Th., at 10.20.*

#### 5. *Argumentative Composition*

The principles and forms of brief-drawing and forensic writing. Lectures, written exercises, briefs, and forensics. Intended to furnish a more rapid training than 4, for students who wish to begin debate as early as possible or to go quickly over the fundamentals of argumentative composition. *Professor HUNTINGTON*.

Three hours. First Term. Elective for Juniors and Seniors. Not elective for students who have taken 4 or the course formerly known as 4, 5, 6. *Mon. at 3.20; Fri. at 2.20.*

#### 6.\* *Debate*

Intended to train students in correct and vigorous oral presentation of ideas. *Professor HUNTINGTON, with the coöperation of the Professors of Economics, Social and Political Science, History, and Public Speaking.*

Three hours. Second and Third Terms. Elective for a limited number of Juniors and Seniors who have credit for 5 or for one or more terms of 4. With the consent of the instructor, the course may be repeated. *Mon. 3.20 to 5.20; Fri. 2.20 to 4.20.*

#### 7.\* *Public Speaking*

Principles of voice culture; vocal interpretation of literature; extempore speaking. *Professor CROSBY*.

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors. *Wed., Fri., Sat., at 11.20.*

#### [8. *Public Speaking, advanced course*]

Reading the Bible, liturgy, and hymns. *Professor CROSBY*.

One hour. Two hours of class-room work. First Term. Elective for a limited number of Seniors. Not offered in 1906-7.

## 24. *Public Speaking, advanced course*

The occasional address. Practice in the composition and delivery of the more common forms of public discourse, with some attention to voice culture. *Professor CROSBY.*

Three hours. Through the year. Elective for a limited number of Juniors and Seniors who have credit for 7. Not to be offered in 1907-8.

## 9.\* *Old English*

Essentials of Anglo-Saxon grammar; prose selections; *Béowulf*. *Professor POTTER.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon., Tu., Th., at 3.20.*

## 10.\* *Chaucer*

Sufficient study of the language to enable the student to read Middle English intelligently; the more important poems of Chaucer; selections from Langland and Gower; Chaucer in literary history. *Professor BENEDICT.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon., Tu., Th., at 4.20.*

## 11. *English Literature from the Beginning to the Present Time*

An outline course in the history of English literature, with reading and study of the greater writers. *Professor BRONSON.*

Three hours. Through the year. Elective for Sophomores. *Tu., Th., Sat., at 12.20.*

## [12. *English Literature, exclusive of the Drama, from 1400 to 1600*]

Mediaeval literary forms and the transition to the modern period: romance, ballad, allegory, satire, Elizabethan novels and lyrics. *Professor BENEDICT.*

Three hours. Through the year. Elective for students who have credit for 10 and one other of the courses from 9 to 23 inclusive. Not offered in 1906-7.

## [13. *History of the Drama in England*]

The drama as a literary type, and its history in England to 1642. *Professor POTTER.*

Three hours. Through the year. Elective for students who have credit for any one of the courses from 10 to 23 inclusive. Not offered in 1906-7.

14. *Shakspeare*

Careful study of a few plays, with special attention to exact interpretation. *Professor POTTER.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors. Not to be offered in 1907-8. *Mon., Wed., Th., at 10.20.*

15. *Shakspeare*

Shakspeare as dramatist and poet; reading of all the plays. *Professor POTTER.*

Three hours. Through the year. Elective for Juniors and Seniors. *Tu., Th., Sat., at 12.20.*

[16. *English Literature, exclusive of the Drama, from 1600 to 1660*]

The decline of the Elizabethan spirit; Puritanism and Anglicanism in literature; the "metaphysical" and mystical poets; the cavalier lyrists; all the English poems and the more important prose works of Milton. *Professor BRONSON.*

Three hours. Through the year. Elective for students who have credit for any one of the courses from 10 to 23 inclusive. Not offered in 1906-7.

17. *English Literature from 1660 to 1798*

The Restoration drama; the classical school; development of the essay and the novel; the beginnings of romanticism. *Professor BRONSON.*

Three hours. Two meetings a week, and a third meeting at the pleasure of the instructor. Through the year. Elective for students who have credit for any one of the courses from 10 to 23 inclusive. Not to be offered in 1907-8. *Mon., Wed., Fri., at 12.20.*

19. *English Literature from 1798 to 1832*

The romantic revolt in its critical and imaginative phases; influence of the French revolution; individualism in form and spirit. *Professor BENEDICT.*

Three hours. Two meetings a week, and a third meeting at the pleasure of the instructor. Through the year. Elective for Sophomores, Juniors, and Seniors. *Mon., Wed., Th., at 10.20.*

20. *English Literature from 1832 to 1892*

The Victorian period; modifications of romanticism in prose and poetry; realism; influence of science and democracy; tendencies at the end of the century. *Mr. LATHAM.*

Three hours. Two meetings a week, and a third meeting at the pleasure of the instructor. Through the year. Elective for Sophomores, Juniors, and Seniors. *Wed., Fri., Sat., at 11.20.*

### [21. *Victorian Poets*]

A detailed study of Tennyson, Browning, Arnold, Clough, Rossetti, Morris, and Swinburne. *Professor CROSBY.*

Three hours. Through the year. Elective for students who have credit for any one of the courses from 10 to 23 inclusive. Not offered in 1906-7.

### [22. *American Literature*]

American literature from the beginning, in its relation to American life and to English literature. *Professor BRONSON.*

Three hours. Two meetings a week, and a third meeting at the pleasure of the instructor. Through the year. Elective for students who have credit for one of the following courses: 11, 19, 20. Not offered in 1906-7.

### 23. *Seminary in English Literature*

Subject for 1906-7: Studies in the history of English satire. *Professor BRONSON.*

Three hours. Two hours of attendance. Through the year. Elective for Graduates, and for a limited number of Seniors who have attained the grade of C in two of the courses from 9 to 22 inclusive.

## X. GEOLOGY ‡

CHARLES WILSON BROWN, A.M., *Assistant Professor of Geology*

### 3. *Mineralogy and Lithology*

Determination of the common rock-forming minerals and the simpler types of rock; origin, weathering, and metamorphism of rocks and minerals; building stones. Lectures and laboratory work.

Three hours. First Term. Elective for Sophomores, Juniors, and Seniors. This course may be taken alone, or may be continued in 6 and 7, in 1, 2, and in 4, 5, for which courses it is a prerequisite. *Mon. at 11.20; Tu., Fri., 2.20 to 4.20.*

‡ Students who wish only a general knowledge of minerals and rocks and a general view of the geologic processes concerned in the development of the earth and its life, should take courses 3, 6, and 7. Those who contemplate teaching physical geography should take also courses 10 and 12. Students who desire to specialize in geology or geography, in order to teach or to obtain appointment on Government or State geological surveys, are advised to elect first the work in mineralogy, courses 3 and 1, 2, and to follow these by courses 6, 7, 4, 5, 10 and 12, approximately in the order given.

### 6. *Dynamical and Structural Geology*

A discussion of the surface and deep-seated agencies that have affected the formation and development of the earth and its crust. Lectures, illustrated by models and lantern views.

Three hours. Second Term. Elective for Sophomores who do not elect 1, and for Juniors and Seniors. Course 3 is a prerequisite. *Mon., Tu., Th., at 11.20.*

### 7. *Physiographical and Historical Geology*

A study of certain land-forms and the stages of their development; a review of earth changes, with special reference to the development of the North American continent; the types of life characteristic of the different periods, and the principles of organic evolution which they illustrate. Lectures and three field trips.

Three hours. Third Term. Elective for Sophomores who do not elect 2, and for Juniors and Seniors. Course 3 is a prerequisite. *Mon., Tu., Th., at 11.20.*

### 1, 2. *Mineralogy*

Crystallography. The more common minerals; their recognition and determination; their occurrence in rocks; the physical properties of minerals; blowpipe analysis. Lectures and laboratory work.

Three hours. Second and Third Terms. Elective for Sophomores who do not elect 6 and 7, and for Juniors and Seniors. Course 3 is a prerequisite. *Wed. at 9.20; Th. 2.20 to 4.20*; two laboratory hours to be arranged with the instructor.

### 4, 5. *Petrography*

A study of the optical properties of minerals; determination of minerals and rocks by means of the petrographic microscope; a discussion of the fundamental principles of the origin and classification of rocks. Lectures and laboratory work.

Three hours. Second and Third Terms. Elective for Juniors, Seniors, and Graduates. Students intending to take this course are advised to take Physics 5 in preparation. Course 3 is a prerequisite. *Mon. at 10.20; Th., Fri., 2.20 to 4.20.*

### 9, 8, 11. *Field Geology*

Geological maps, their use and methods of construction; practice in the actual working out of the surface geology and stratigraphy of an assigned definite area. Reports and thesis.

Three hours. Through the year. One conference hour to be arranged with the instructor and the equivalent of six hours' work in the field-area. Elective for Juniors, Seniors, and Graduates. The First Term may be taken indepen-

dently and is elective for students who have credit for 3, 6, and 7; the First and Second Terms may be elected as a two-term course; the Third Term may be elected separately by students who are taking 7.

### 17. *Mineralogy and Lithology*

Determination of the common rock-forming minerals and the simpler types of rocks; building stones, their distribution, weathering qualities, and methods of preservation.

Three hours. Third Term. Two hours of lectures and two hours of laboratory work. Required in the Sophomore year of candidates for the degree of Bachelor of Science in Civil Engineering. *Tu., Fri., at 9.20; Tu. 2.20 to 4.20.*

### 16. *Engineering Geology*

Lectures, laboratory and field work. The course includes five field trips, and each student is required to take detailed field notes of the regions visited.

Three hours. First Term. Required in the Senior year of candidates for the degree of Bachelor of Science in Civil Engineering. *Tu. at 11.20; Wed., Fri., at 9.20.*

### 10. *Physiography*

The ocean; the atmosphere; land forms, their classification, origin, growth, decay, and geographical distribution. With special reference to the influence of physiography upon the economic development of the United States. Lectures and laboratory work.

Three hours. Through the year. Elective for Juniors and Seniors. First Term, *Wed., Fri., at 11.20; Th. 2.20 to 4.20.* Second and Third Terms, *Wed., Fri., at 11.20; Fri. 2.20 to 4.20.*

### [12. *Physical and Commercial Geography*]

A study of the physical features of the land; of climate, winds, ocean currents; of the geographical distribution of food-stuffs and raw materials of industry; and of the consequent development of commerce and of civilization in its economic aspects. Lectures and laboratory work. This course is the same as Economics 13. *Professor BROWN and Dr. KIRK.*

Three hours. Through the year. Elective for Juniors and Seniors. *Wed., Fri., at 11.20; Th. 2.20 to 4.20.* Not offered in 1906-7. To be offered in 1907-8.

### 13. *Physiographic Seminary*

Through the year. Elective for Graduates and others who have had sufficient preliminary training in Physiography.

### 14. *Geologic Investigation*

Research work in the field and the laboratory, arranged to meet the needs of individual students.

Through the year. Elective for Graduates.

## XI. GERMANIC LANGUAGES AND LITERATURES

CAMILLO VON KLENZE, PH.D., *Professor of the Germanic Languages and Literatures*

ASA CLINTON CROWELL, PH.D., *Associate Professor of the Germanic Languages and Literatures*

JOHANNES BENONI EDUARD JONAS, PH.D., *Assistant Professor of the Germanic Languages and Literatures*

CLARENCE ELNATHAN NORRIS, A.M., *Instructor in German*

### 1. *Introductory Course*

Reading, grammar, composition, dictation, sight reading; selections in prose and poetry from standard authors. *Professors* VON KLENZE and CROWELL, *Mr.* NORRIS.

Three hours. Through the year. Required of all students who did not present German for admission. *1st and 2d div. Tu., Wed., Sat., at 9.20; 3d div. Mon., Th., Fri., at 9.20; 4th div. Mon., Tu., Th., at 11.20; 5th div. Tu., Th., Sat., at 12.20.*

### 2. *Intermediate Course*

Selected works of classical and modern authors; study of syntax based upon the text. *Professor* JONAS and *Mr.* NORRIS.

Three hours. Through the year. Required of all Freshmen who presented elementary German for admission. Not elective for students who have taken German in college. *1st div. Wed., Fri., Sat., at 11.20; 2d div. Tu., Fri., Sat., at 10.20.*

### 3, 4, 5. *Drama of the Classic Period*

Lessing, Schiller, Goethe; two dramas of each author. Study of language and literature. Designed as an introduction to the more advanced courses in German. *Professors* CROWELL and JONAS.

Three hours. Through the year. Elective for students who have credit for 1. Each term may be elected independently. *1st div. Mon., Wed., Th., at 10.20; 2d div. Wed., Fri., Sat., at 11.20.*



## 6. *Modern Prose*

Selections from the best nineteenth century authors. Special attention to sight reading; valuable for students using German sources in other subjects. *Professor JONAS.*

Three hours. Through the year. Elective for students who have credit for 1 or 2. Not open to students who have taken 10 or 11. *Tu., Fri., Sat., at 10.20.*

## 7. *Advanced Course in Standard Authors*

Selections; chiefly prose and drama. *Professor JONAS.*

Three hours. Through the year. Elective for students who have credit for 2, and for students who presented advanced German for admission. *Mon., Tu., Th., at 11.20.*

## 8. *Composition*

A continuation of the grammatical work of 1; practice in writing German. Most appropriately taken in connection with 3, 4, 5, or 6. *Professor VON KLENZE.*

One hour. Through the year. Elective for students who have taken or are taking 2; 3, 4, 5; 6; or 7. *Wed. at 11.20.*

## 10. *German Masterpieces I*

Goethe's *Faust* (Parts 1 and 2), with some notice of recent dramas of kindred interest; presents in connection with 11 those works of the great German writers which deal with important psychological and moral problems. *Professor CROWELL.*

Three hours. Through the year. Elective for students who have credit for 3, 4, 5, or for 7. Not to be offered in 1907-8. *Mon., Th., Fri., at 9.20.*

## [11. *German Masterpieces II*]

Wolfram von Eschenbach's *Parzival*, Schiller's *Wallenstein*, Lessing's *Nathan der Weise*. *Professor CROWELL.*

Three hours. Through the year. Elective for students who have credit for 3, 4, 5, or for 7. Not offered in 1906-7. To be offered in 1907-8.

## 12, 13, 14. *German Literature*

A four-years' course in literature covering the principal literary movements in Germany from the earliest times to the present. Lectures; reports on assigned topics; extended reading. Subject for 1906-7: Outline of German Literature (in German). *Professor VON KLENZE.*

Three hours. Through the year. Elective for students who have credit for 7, 10, or 11. *Tu., Th., Sat., at 12.20.*

### 15. *Middle High German*

The language of the Middle High German period, including an introduction to Germanic Philology. Michel's *Mittelhochdeutsches Elementarbuch*; *Das Nibelungenlied*. Professor VON KLENZE.

Three hours. Through the year. Elective for students who have credit for 10, 11, or 14. *Tu., Th., Fri., at 3.20.*

### [16. *Old High German*]

Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*. Professor JONAS.

Two hours. Through the year. Elective for Graduates. Not offered in 1906-7. To be offered in 1907-8.

### [17. *Germanic Mythology*]

Primitive Germanic religion, customs, and ideas, in their relations to German literature. Discussions based on E. Mogk's *Germanische Mythologie*. Professor CROWELL.

One hour. Through the year. Elective for Juniors, Seniors, and Graduates. Not offered in 1906-7. To be offered in 1907-8.

### [18. *Germanic Philology*]<sup>‡</sup>

One hour. Through the year. Elective for Graduates. Not offered in 1906-7.

### [19. *German Poetry*]

Comparative study of representative poems. First Term, epics. Second Term, ballads. Third Term, lyrics. Professor JONAS.

Three hours. Through the year. Elective for students who have credit for 10 or 11. Not offered in 1906-7.

### [20. *Old Norse*]

Holthausen's *Altisländisches Elementarbuch*; Wilken's *Prosaische Edda*; *Die Lieder der Edda*, edited by Sijmons and Gering. Professor CROWELL.

Two hours. Through the year. Elective for Graduates. Students electing Old Norse should also take Germanic Mythology. Not offered in 1906-7. To be offered in 1907-8.

### 21. *Gothic*

The Gothic language with reading of extracts in Streitberg's

<sup>‡</sup> In 1906-7 course 15 presents an introduction to Germanic Philology.

*Gotisches Elementarbuch* or Braune's *Gotische Grammatik*. Professor CROWELL.

Two hours. Through the year. Elective for Graduates. Students electing Gothic should also take Germanic Philology. *Mon.* at 3.20; *Th.* at 4.20.

## 22. *Grillparzer and Hebbel*

Study of the representative dramas of each author and the problems they present. Professor CROWELL.

One hour. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon.* at 4.20.

## XII. GREEK LITERATURE AND HISTORY†

JAMES IRVING MANATT, PH.D., LL.D., *Professor of Greek Literature and History*

FRANCIS GREENLEAF ALLINSON, PH.D., *David Benedict Professor of Classical Philology*

LIDA SHAW KING, A.M., *Assistant Professor of Classical Philology*

EDGAR SHEFFIELD BRIGHTMAN, A.B., *Instructor in Greek*

### A, B, C. *Elementary Course*

Designed to cover as much as possible of the entrance requirements in Greek, and thus to enable a student to take 1, 2, and 3 in the following year if he completes by private study before the opening of the first term the entire requirement in the *Anabasis*, and before the opening of the third term the entire requirement in Homer. Mr. BRIGHTMAN.

Three hours. Through the year. Elective for students who did not present elementary and advanced Greek for admission. *Tu., Th., Sat.,* at 12.20.

### 1. *Plato*

Plato's *Apology* and *Crito*, with select orations of Lysias for sight reading. Professor ALLINSON.

Three hours. First Term. Elective for students who presented elementary and advanced Greek for admission, or who have credit for Greek A, B, C and have done the additional work indicated above. *1st div. Tu., Fri., Sat.,* at 10.20; *2d div. Tu., Th., Sat.,* at 12.20.

### 2. *Homer*

The *Odyssey*, four books; rapid reading of other books; lectures on

† Courses 1, 2, 3 are a prerequisite for the more advanced courses in this department.

the life of the Heroic Age as revealed in the poems and illustrated by recent archaeological research. *Professor MANATT.*

Three hours. Second Term. Elective for students who have credit for 1. *1st div. Tu., Fri., Sat., at 10.20 ; 2d div. Tu., Th., Sat., at 12.20.*

### 3. *Sophocles and Herodotus*

The *Antigone* of Sophocles; selections for sight reading from Herodotus. *Professor ALLINSON.*

Elective for students who have credit for 1 and 2. *1st div. Tu., Fri., Sat., at 10.20 ; 2d div. Tu., Th., Sat., at 12.20.*

### 5. *Greek Lyric Poets*

The chief remains of Greek lyric poetry from Alkman to Timotheos (not including Pindar). *Professor MANATT.*

Three hours. First Term. Elective for Sophomores. *Mon., Wed., Th., at 10.20.*

### 4. *Lucian*

Selected writings. *Professor ALLINSON.*

Three hours. Second Term. Elective for Sophomores. *Mon., Wed., Th., at 10.20.*

### 6. *Dramatic Poets*

Lectures on the Greek drama. The *Prometheus* of Aeschylus; the *King Oedipus* of Sophocles. *Professor ALLINSON.*

Three hours. Third Term. Elective for Sophomores. *Mon., Wed., Th., at 10.20.*

### [7. *Plato and Aeschylus*]

*Republic*, book x; selections from books i-ix; *Agamemnon*. *Professor ALLINSON.*

Three hours. First Term. Elective for Juniors and Seniors. Not offered in 1906-7.

### [8. *Homer*]

Advanced course in the *Iliad* or the *Odyssey*, intended to serve as an introduction to prehistoric archaeology and as a preparation for teaching Homer. *Professor MANATT.*

Three hours. First Term. Elective for Juniors and Seniors. Not offered in 1906-7.

### 12. *Thucydides*

The Sicilian Expedition. *Professor MANATT.*

Three hours. Second Term. Elective for Juniors and Seniors. *Wed., Fri., Sat., at 11.20.*

### 9. *Theocritus and Herondas*

Twenty *Idylls* of Theocritus and selected *Mimes* of Herondas. *Professor* MANATT.

Three hours. Third Term. Elective for Juniors and Seniors. *Wed., Fri., Sat., at 11.20.*

### 10. *The Drama*

The *Medea* of Euripides and the *Frogs* of Aristophanes, with rapid reading of the *Seven Against Thebes* of Aeschylus for literary criticism. *Professor* ALLINSON.

Three hours. First Term. Elective for Juniors and Seniors. *Wed., Fri., Sat., at 11.20.*

### [11. *Herodotus*]

History of the Persian Wars. *Professor* MANATT.

Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1906-7.

### [13. *Lucian*]

Advanced course. *Professor* ALLINSON.

Three hours. First Term. Elective for Juniors and Seniors. Not offered in 1906-7.

### [14. *Aeschines and Demosthenes*]

Speeches on the Crown; study of the Macedonian period and of Athenian political life. *Professor* MANATT.

Three hours. Second Term. Elective for Juniors and Seniors. Not offered in 1906-7.

### [16, 17, 18. *Homer*]

The *Odyssey*; portions of the *Iliad* and the *Hymns* in the original; the remainder of the poems in translation. *Professor* MANATT.

Three hours. Through the year. Elective for Juniors and Seniors. Not offered in 1906-7.

### 19, 20. *Greek Composition*

*Professor* ALLINSON.

One hour. Second and Third Terms. Elective for Sophomores, Juniors, and Seniors. *Fri. at 2.20.*

### 21, 22. *Modern Greek*

Introduction to the language; readings from living Greek authors and Greek newspapers. *Professor* MANATT.

One hour. Second and Third Terms. Elective for Sophomores, Juniors, and Seniors.

23, 24, 25. *Greek Seminary*

Subjects for 1906-7: Aristotle's *Poetics*; Greek epigraphy (Roberts and Gardner); Lucian, or Comparative philology, see Indo-European Philology 4. Professors MANATT (23), and ALLINSON (24, 25).

One two-hour session weekly. Through the year. Elective for Graduates and approved Seniors.

[26. *Attic Orators*]

Isaeus; Greek historical inscriptions. Professor MANATT.

Two hours. First Term. Elective for Graduates and approved Seniors. Not offered in 1906-7.

[27, 28. *Homer and Mycenaean Archaeology*]

The Achillean books of the *Iliad* and the Ithacan books of the *Odyssey* studied in the light of recent archaeological discoveries. Professor MANATT.

Two hours. First and Second Terms. Elective for Graduates and approved Seniors. Not offered in 1906-7.

[29. *Demosthenes*]

Private speeches, selected to illustrate the workings of Athenian institutions. Professor MANATT.

Three hours. First Term. Elective for Graduates. Not offered in 1906-7.

30, 31, 32. *Hellenistic Greek*

The same as Biblical Literature and History 7, 8, 9 and 10, 11, 12. Professors ALLINSON and FOWLER.

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates.

33. *Greek Life*

The private and public life of the Greeks studied in the light of their literature and monuments. Syllabus, lectures, and prescribed reading, with frequent reports, written tests, and essays. No knowledge of Greek or Latin required. The course is continued in the second and third terms as Latin 28, 29. The three terms together constitute the course in the History of Greek and Roman Life and Institutions, which alternates with Greek 34, Latin 30, and Indo-European Philology 1. Professor MANATT.

Three hours. First Term. Elective for Freshmen and Sophomores. *Mon., Tu., Th., at 11.20.*

### [34. *Greek Literature*]

A brief history of the literature of the Greeks from Homer to Theocritus, with study of the masterpieces in the best English translations. No knowledge of Greek or Latin required. This course is continued in the second and third terms as Latin 30 and Indo-European Philology 1. The three terms together constitute the course in Greek and Roman Literature and the History of Language, which alternates with Greek 33, Latin 28, 29. *Professor ALLINSON.*

Three hours. First Term. Elective for Freshmen and Sophomores. Not offered in 1906-7.

### 36. *Introduction to Greek Archaeology*

Outline of the remains of the earliest Greek civilization; an introductory study of Greek vases, coins, small bronzes, and terra-cotta figurines. Intended to give a general survey of these sources for Greek history and life. Illustrated lectures; collateral reading. *Professor KING.*

Three hours. Third Term. Elective for students in the Women's College who have completed one course in Latin or Greek.

## XIII. HISTORY ‡

WILLIAM MACDONALD, PH.D., LL.D., *Professor of History*

WILFRED HAROLD MUNRO, A.M., *Professor of European History*

### 1. *Mediaeval and Modern History of Europe*

A general survey of the history of western Europe from the time of the barbarian invasions to 1763. A narrative text-book supplemented by lectures, frequent written tests, and written reports and abstracts on assigned reading and topics for special investigation.

*Professor MACDONALD.*

Three hours. First and Second Terms. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy in either the Sophomore or the Junior year. *Tu., Wed., Sat., at 9.20.*

### 2. *Spanish History*

Development of Spanish institutions, political and social; rise and

‡ The elective courses in History are regularly open only to those who have credit for 1; but, by special permission of the instructor, elective courses may be taken by Juniors who are at the same time taking 1. The only elective courses in History open to Sophomores are 6 and 7.

greatness of Spain as a European power; its colonial system; its position with reference to the Reformation and the subsequent religious wars. *Professor MUNRO.*

Three hours. First Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Th., at 10.20.*

### 3. *Islam and the Crusades*

Social and political conditions in Europe and the East at the beginning of the Crusades; organization and internal condition of Islam; effect of the Crusades on the thought, life, and political development of Europe. *Professor MUNRO.*

Three hours. Second Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Th., at 10.20.*

### 4. *Period of the Renaissance*

Preparation for the Renaissance in the intellectual and social life of Europe; spread of the revival; connection between the Renaissance and the Reformation; artistic and literary aspects of the movement. *Professor MUNRO.*

Three hours. First Term. Elective for Juniors, Seniors, and Graduates. *Tu., Fri., Sat., at 10.20.*

### 5. *Period of the Reformation*

Early movements of dissent from the Roman Church; the Protestant revolt in Germany, Switzerland, France, and England; the political and social aspects of the Reformation; the religious wars; the effect on religious belief and church organization. *Professor MUNRO.*

Three hours. Second Term. Elective for Juniors, Seniors, and Graduates. *Tu., Fri., Sat., at 10.20.*

### 6. *The French Revolution*

Rise and progress of the Revolution in France; political and social conditions in Europe 1789-1815; permanent results of the Revolution, particularly its effect on political thought and practice. *Professor MUNRO.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates, and for Sophomores who have credit for 1. *Mon., Wed., Fri., at 12.20.*

### 7. *European History since 1815*

Political development of the more important states and their diplomatic relations; the revolutions of 1830 and 1848; the free-trade



movement in England; the achievement of Italian unity; the founding of the German Empire; the Franco-Prussian War; the Eastern question, etc. *Professor MUNRO.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates, and for Sophomores who have credit for 1. *Tu., Th., Sat., at 12.20.*

[8, 9, 10. *English Constitutional and Political History to 1689*] Formation of the English constitution; establishment and growth of the church; relations with Scotland and Ireland; the Reformation; the Puritan Revolution. *Professor MUNRO.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently. Not offered in 1906-7. To be offered in 1907-8.

11, 12, 13. *English Constitutional and Political History since 1689* Foreign relations; the development of party government and the cabinet system; the social and political changes of the nineteenth century. *Professor MUNRO.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may be elected independently. *Mon., Tu., Th., at 2.20.*

14, 15, 16. *Seminary in European History*

Discussion of assigned subjects, reports of reading and investigation, and similar exercises. *Professor MUNRO.*

Three hours. One hour of class-room attendance. Through the year. Elective for Graduates and approved Seniors. Each term may be elected independently.

17. *American History to 1763*

American colonial history as illustrative of the colonial policies of European states in the 16th-18th centuries; development of colonial and local forms of government; intercolonial wars; colonial slavery. Lectures, supplemented by assigned reading and detailed study of the texts of representative documents. *Professor MACDONALD.*

Three hours. First and Second Terms. Elective for Juniors, Seniors, and Graduates. *Wed., Fri., Sat., at 11.20.*

18. *The American Revolution, 1763-1787*

Lectures, supplemented by assigned reading and detailed study of the texts of representative documents. *Professor MACDONALD.*

Third Term. Elective for Juniors, Seniors, and Graduates who have credit for 17, and for others by consent of the instructor. *Wed., Fri., Sat., at 11.20.*

[19, 20, 21. *History of the United States, 1787-1877*]

The organization of the national government and its administrative development; slavery; extension of national territory; the bank controversy; the Civil War; the reconstruction period. Third term devoted to the period from 1861 to 1877. Methods of instruction as in 17 and 18. *Professor MACDONALD.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. Each term may, by the consent of the instructor, be elected separately. Not offered in 1906-7. To be offered in 1907-8.

26. *History of the United States since 1877*

The chief political movements and the constitutional development of the last thirty years. *Professor MACDONALD.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates, who have had at least three terms in History in addition to the required work. *Mon., Th., Fri., at 9.20.*

22, 23, 24. *Seminary in American History*

Designed to afford training in historical investigation and practice in the use of sources. Each member of the class is expected to present each term a piece of written work, on an assigned topic, embodying the results of special research. The subjects vary from year to year, being chosen from the colonial and the constitutional periods in alternate years. For 1906-7 the subjects are: First and Second Terms, Selected topics in the constitutional and ecclesiastical history of the New England colonies; Third Term, The Navigation Acts and Acts of Trade. *Professor MACDONALD.*

Three hours. One hour of attendance. Through the year. Elective for Graduates and approved Seniors. The course presupposes a knowledge of 17, 18 or 19, 20, 21, but by special permission it may be taken by those who are taking 17, 18 or 19, 20, 21. Each term may, by the consent of the instructor, be elected independently.

25.\* *Principles of Historical Criticism and Research*

First and Second Terms, the general principles of historical criticism and the literature of historical theory; Langlois and Seignobos's *Introduction to the Study of History* is used as a manual. Third Term, Historical bibliography, the periods chosen varying from year to year. *Professor MACDONALD.*

One hour. Through the year. Elective for Graduates of one year's standing. Required of all candidates for the degree of Doctor of Philosophy in History.

# XIV. INDO-EUROPEAN PHILOLOGY

FRANCIS GREENLEAF ALLINSON, PH.D., *David Benedict Professor of Classical Philology*

## [1. *General Introduction to the Study of Language*]

Outline of the history of language; the Indo-European family. Adapted for students of ancient or modern languages. A continuation of Greek 34, Latin 30. The three terms together constitute the course in Greek and Roman Literature and the History of Language. Three hours. Third Term. Elective for Freshmen and Sophomores. Not offered in 1906-7.

## 4. *Seminary in Comparative Philology*

For advanced students in Greek and Latin.

One two-hour session weekly. Third Term. Elective for Graduates and approved Seniors.

## 7, 8, 9. *Sanskrit, elementary course*

Whitney's *Grammar*; Lanman's *Reader*; selections from the *Vedic Hymns*.

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates.

## [10, 11, 12. *Sanskrit, advanced course*]

*Vedic Hymns*, and other selections.

One hour. Through the year. Elective for students who have credit for 7, 8, 9. Not offered in 1906-7.

# XV. MATHEMATICS†

NATHANIEL FRENCH DAVIS, A.M., LL.D., *Professor of Pure Mathematics*

HENRY PARKER MANNING, PH.D., *Associate Professor of Pure Mathematics*

FREDERICK SLOCUM, PH.D., *Assistant Professor of Astronomy*

CLINTON HARVEY CURRIER, A.M., *Instructor in Mathematics*

GEORGE BARROWS OBEAR, SC.M., *Assistant in Mathematics*

## 3. *Algebra*

*Professor MANNING, Messrs. CURRIER and OBEAR.*

Four hours. First Term. Required of candidates for the degree of Bachelor

† The Undergraduate courses 1-11 should be taken in the order in which they are printed. Courses 12, 13, 14 may be taken at any time after the Freshman year. Courses 17-21 are de-

of Arts or Bachelor of Philosophy who presented only Plane Geometry for admission. *Tu., Wed., Fri., Sat.: 1st and 4th div. at 8; 2d, 3d, and 5th div. at 9.20.*

### 1. *Geometry, Solid and Spherical*

*Professors DAVIS, MANNING, and SLOCUM, Mr. OBEAR.*

Four hours. Second Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented only Plane Geometry for admission. *Tu., Wed., Fri., Sat.: 1st and 4th div. at 8; 2d, 3d, and 5th div. at 9.20.*

### 2. *Trigonometry*

*Professors MANNING and SLOCUM, Messrs. CURRIER and OBEAR.*

Four hours. Third Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented only Plane Geometry for admission. *Tu., Wed., Fri., Sat.: 1st and 4th div. at 8; 2d, 3d, and 5th div. at 9.20.*

### 4. *Analytic Geometry*

*Professor DAVIS.*

Three hours. First and Second Terms. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented Solid Geometry and Plane Trigonometry for admission. Elective for students who have credit for 1, 2, 3. *Mon., Wed., Fri., at 12.20.*

### 5. *Differential Calculus*

*Professor DAVIS.*

Three hours. Third Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented Solid Geometry and Plane Trigonometry for admission. Elective for students who have credit for 4. *Mon., Wed., Fri., at 12.20.*

### 6. *Integral Calculus*

*Professor DAVIS.*

Three hours. First Term. Elective for students who have credit for 5. *Tu., Th., Sat., at 12.20.*

### 7. *Applications of the Differential Calculus*

*Professor DAVIS.*

Three hours. Second Term. Elective for students who have credit for 5 and 6. *Tu., Th., Sat., at 12.20.*

signed for students who are taking or who intend to take engineering courses. Courses 22-26 are designed for Graduates; two or three of these courses are offered each year according to the needs of the students. For those who have taken all of them, other courses can usually be arranged.

8. *Applications of the Integral Calculus*

Professor SLOCUM.

Three hours. Third Term. Elective for students who have credit for 6. *Tu., Th., Sat., at 12.20.*

9, 10, 11. *Differential Equations*

Professor MANNING.

Three hours. Through the year. Elective for students who have credit for 6 or 21. First Term required of candidates for the degree of Bachelor of Science in Electrical Engineering. *Tu., Th., Sat., at 12.20.*

12. *Determinants and Theory of Equations*

Professor MANNING.

Three hours. Second Term. Elective for students who have credit for 3 or 16.

13. *Modern Methods of Analytic Geometry*

Professor MANNING.

Three hours. Third Term. Elective for students who have credit for 4 or 19.

[14. *Solid Analytic Geometry*]

Professor MANNING.

Three hours. Third Term. Elective for students who have credit for 4 or 19. Not offered in 1906-7.

15. *Spherical Trigonometry*

Mr. CURRIER.

One hour. First Term. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented Solid Geometry and Plane Trigonometry for admission. Elective for students who have credit for 2 and who have not taken Spherical Trigonometry. *Mon., Th., at 9.20.*

16. *Algebra*

Professor SLOCUM and Mr. CURRIER.

One hour, First Term. Two hours, Second and Third Terms. Required of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy who presented Solid Geometry and Plane Trigonometry for admission. *Mon., Th., at 9.20.*

17. *Algebra*

Professor SLOCUM and Mr. CURRIER.

Six hours. First Term. Required of candidates for the degree of Bachelor of Science. *Mon., Tu., Wed., Th., Fri., Sat.: 1st div. at 8; 2d div. at 9.20; 3d div. at 10.20.*

**18. *Trigonometry, Plane and Spherical***

*Professor SLOCUM and Mr. CURRIER.*

Six hours. Second Term. Required of candidates for the degree of Bachelor of Science. *Mon., Tu., Wed., Th., Fri., Sat.: 1st div. at 8; 2d div. at 9.20; 3d div. at 10.20.*

**19. *Analytic Geometry***

*Professors DAVIS and SLOCUM, Mr. CURRIER.*

Six hours. Third Term. Required of candidates for the degree of Bachelor of Science. *Mon., Tu., Wed., Th., Fri., Sat.: 1st div. at 8; 2d div. at 9.20; 3d div. at 10.20.*

**20. *Differential Calculus***

*Professors DAVIS and SLOCUM.*

Five hours. First Term. Required of candidates for the degree of Bachelor of Science. *1st and 2d div. Tu., Wed., Th., Fri., Sat., at 8; 3d div. Tu., Wed., Th., Fri., Sat., at 9.20.*

**21. *Integral Calculus***

*Professor DAVIS and Mr. CURRIER.*

Three hours. Second and Third Terms. Required of candidates for the degree of Bachelor of Science. *1st and 2d div. Tu., Wed., Fri., at 8; 3d div. Mon., Th., Sat., at 8.*

**22. *Theory of Functions***

*Professor MANNING.*

Three hours. Through the year. Elective for Graduates and approved Seniors.

**[23. *Differential Equations, advanced course*]**

*Professor MANNING.*

Three hours. Through the year. Elective for Graduates who have credit for 22. Not offered in 1906-7.

**[24. *Advanced Algebra*]**

*Professor MANNING.*

Three hours. Through the year. Elective for Graduates and approved Seniors. Not offered in 1906-7.

**25. *General Theory of Curves and Surfaces***

*Professor MANNING.*

Three hours. Through the year. Elective for Graduates and approved Seniors.

[26. *Quaternions and allied subjects*]

Professor MANNING.

Three hours. Through the year. Elective for Graduates and approved Seniors.  
Not offered in 1906-7.

## XVI. MECHANICAL ENGINEERING ‡

WILLIAM HERBERT KENERSON, M.E., A.M., *Associate Professor of Mechanical Engineering*

THURSTON MASON PHETTEPLACE, Ph.B., M.E., *Assistant Professor of Mechanical Engineering*

GEORGE LAWTON SPENCER, M.E., *Assistant in Mechanical Engineering*

HENRY DEWEES CADY, *Instructor in Shop Practice*

1, 2, 3. *Wood-work*

Exercises in carpentry, wood-turning, and pattern-making. Mr. CADY.  
Three hours in any term. Seven hours of attendance. Elective for Sophomores, Juniors, and Seniors who have had instruction in drawing. *Tu. 2.20 to 5.20; Fri. 2.20 to 6.20.*

4, 5, 6. *Metal-work*

Exercises in chipping and filing; the use of machine tools; forging and hardening tools, etc. Mr. CADY.

Three hours in any term. Seven hours of attendance. Elective for Sophomores, Juniors, and Seniors, who have had instruction in drawing. *Wed. 2.20 to 5.20; Fri. 2.20 to 6.20.*

8. *Kinematics*

Velocity ratios, rolling surfaces, cams, and belting. Recitations, drawing, and the solution of problems. Professor PHETTEPLACE.

Three hours. Seven hours of attendance. Third Term. Elective for students who have credit for Mechanical Drawing 5. *Tu. 12.20 to 1.20, 2.20 to 5.20; Fri. 2.20 to 5.20.*

9, 10, 11. *Kinematics*

Gearing, linkwork, parallel motions, and gear trains; machine tools; the application of the principles involved. Recitations, drawing, and the solution of problems. Professor PHETTEPLACE.

‡ All courses in this department are required of candidates for the degree of Bachelor of Science in Mechanical Engineering. Courses 1-6 are all elective for Sophomores, Juniors, and Seniors, but not more than two of them may be counted towards the degree of Bachelor of Arts or Bachelor of Philosophy.

Three hours. Seven hours of attendance. Through the year. Elective for students who have credit for 8 and for Mechanical Drawing 5. *Mon. 2 to 6; Th. 2.20 to 5.20.*

### 12, 13, 14, 15. *Machine Design*

Applications of the principles of mechanics and the strength of materials to the design of representative types of boilers, engines, and various mechanisms; solution of problems illustrating the method of designing bolts and nuts, keys, journals and bearings, fly-wheels, valve gears, etc. Lectures, calculation, and drawing. *Professor PHETTEPLACE.*

Three hours. Six hours of attendance. First, Second, Third, and Third Terms. Elective for students who have credit for 8, 9, 10, 11 and Mechanics 1. *Mon., Th., 10.20 to 1.20.*

### 16, 17, 18. *Thermodynamics*

Applications of the principles of gases and vapors to steam, gas, and other heat engines, air-compressors, refrigerating apparatus, etc.; discussion of the energy of fuel and the utilization of such energy for power purposes by means of various media; laws of the relation of variations of pressure, temperature, and volume of such media; design of cylinders to produce a desired amount of power; the principles of the injector and the ejector. *Professor KENERSON and Mr. SPENCER.*

Three hours. First, Second, and Third Terms. Elective for students who have credit for Physics 1, 2, 3 and Mathematics 5, 6, 7 or 20, 21. First and Second terms, *Wed., Fri., Sat., 11.20 to 1.20.* Third Term, *Mon., Wed., Th., 9.20 to 11.20.*

### 19, 20, 21. *Steam Engineering*

Applications of the principles of thermodynamics and mechanics to the production, transmission, utilization, and measurement of power; valves and valve gears, and valve setting; indicator practice and tests of various forms of steam engines, gas engines, etc.; standardization of auxiliary apparatus used in making the various tests; boiler testing; flue gas and fuel analysis, etc. Lectures, recitations, and laboratory work. *Professor KENERSON and Mr. SPENCER.*

Three hours. First, Second, and Third Terms. Elective for students who have taken or are taking 16, 17, 18. First and Second Terms, *Tu., Wed., Sat., at 9.20; Tu. 2.20 to 4.20.* Third Term, *Mon., Wed., Th., at 8; Tu. 2.20 to 4.20.*



### 22. *Materials of Engineering*

Study of the sources, manufacture, and properties of the important materials used in engineering; laboratory tests to determine the behavior of materials when subjected to tensile, compressive, and torsional stresses; mixing and testing of cements and mortars; preparation and examination of sections for the microscopical study of the structure of metals and alloys. Lectures, recitations, and laboratory work. *Professor KENERSON and Mr. SPENCER.*

Three hours. First and Second Terms. Elective for students who have credit for Mechanics 3. *Wed., Fri., at 10.20. 1st div. Mon. 2.20 to 4.20; 2d div. Tu. 2.20 to 4.20; 3d div. Th. 2.20 to 4.20.*

### 23. *Power Plant Engineering*

Discussion of the relation and coördination of the various parts of the complete power plant; management, and methods of determining efficiency; selection of the best equipment from manufacturers' catalogues and actual inspection. Lectures, recitations, tests, and tours of inspection. *Professors KENERSON and PHETTEPLACE.*

Three hours. First Term. Elective for students who have credit for 19, 20, 21. *Wed., Fri., 2.20 to 5.20.*

### 24. *Advanced Laboratory Course*

Investigation of special problems in hydraulic and steam engineering. Determination of experimental constants for the Venturi meter, flow of water over weirs and through pipes, flow of air, steam, etc. Particular emphasis laid on preparation and form of reports. *Professor KENERSON.*

Three hours. Second Term. *Wed., Fri., 2 to 5.*

### 25. *Thesis*

A thesis is required of all candidates for the degree of Bachelor of Science in Mechanical Engineering. The thesis must embody either a design or a review of an engineering plant, appliance, process, or structure, or the results of an experimental investigation.

## XVII. MECHANICS AND MECHANICAL DRAWING

OTIS EVERETT RANDALL, PH.D., *Professor of Mechanics and Mechanical Drawing*

ANSEL BROOKS, PH.B., M.E., *Assistant Professor of Mechanics and Mechanical Drawing*

ALBERT JOHN LOEPSINGER, SC.B., *Assistant in Mechanical Drawing*

## MECHANICS

1. *Mechanics of Solids*

Statics, including resolution and composition of forces, determination of center of gravity, and problems relative to rigid bodies and flexible cords; dynamics, including rectilinear and curvilinear motion, virtual velocity, moment of inertia, work, energy and power, and friction; strength of materials, including tension, compression, shearing, torsion, flexure, and arches; methods of graphical solution of problems. *Professors RANDALL and BROOKS.*

Three hours. Through the year. Elective for students who have credit for Mathematics 4 and 5, and who have taken or are taking Mathematics 6. First and Second Terms required of all candidates for the degree of Bachelor of Science. *Mon., Tu., Th., at 11.20.*

3. *Strength of Materials*

Tension, compression, shearing, torsion, flexure, arches, and graphical solution of problems. *Professors RANDALL and BROOKS.*

Six hours. Third Term. Required of all candidates for the degree of Bachelor of Science. *Mon., Tu., Wed., Th., Fri., Sat., at 11.20.*

2. *Mechanics of Fluids*

Hydrostatics; nature and use of instruments; flow through orifices, over weirs, through tubes, through pipes, in conduits, flow of rivers, water supply and water power, dynamic pressure of water, water wheels, turbines, pumps and pumping. *Professor RANDALL.*

Three hours. First and Second Terms. Required of all candidates for the degree of Bachelor of Science. Elective for students who have credit for 3. *Wed., Fri., Sat., at 11.20.*

4. *Advanced Mechanics*

Higher theoretical and practical problems. *Professor RANDALL.*

Three hours. Through the year. Elective for Seniors and Graduates who have credit for 3.

## MECHANICAL DRAWING

**1. *Elementary Mechanical Drawing, and Descriptive Geometry***

Nature, care, and use of drafting instruments; plane problem construction; theory of orthographic projection; discussion, proof, and graphic solution of problems in descriptive geometry relating to the point, line, and plane, to line and surface generation and classification, to surface tangency, and to intersections and developments; application of the principles of descriptive geometry in isometric drawing, in shades and shadows and perspective, in machine drawing, and in practical engineering problems. *Professors RANDALL and BROOKS, Mr. LOEPSINGER.*

Four hours. Through the year. First Term, one hour of recitation and six hours of drawing. Second and Third Terms, three hours of recitation and three hours of drawing. Required in the Freshman year of candidates for the degree of Bachelor of Science. *Mon., Tu., Wed., Th., Fri., Sat., at 9.20 and 10.20.*

**2. *Elementary Mechanical Drawing***

Nature, care, and use of drafting instruments; plane problem construction; theory of orthographic and isometric projection. *Professor RANDALL and Mr. LOEPSINGER.*

Three hours. Six hours of drawing. First Term. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy, and for all Sophomores, Juniors, and Seniors. *Mon., Wed., Th., at 10.20.*

**3. *Descriptive Geometry***

Discussion, proof, and graphic solution of problems in descriptive geometry. *Professor RANDALL and Mr. LOEPSINGER.*

Three hours. Two hours of recitation and two hours of drawing. Second and Third Terms. Elective for Freshmen who are candidates for the degree of Bachelor of Philosophy, and for Sophomores, Juniors, and Seniors who have credit for 2. *Mon., Wed., Th., at 10.20.*

**4, 5. *Machine Drawing***

Study and representation of machine parts; the principles of elementary machine design; sketches, detail and assembly drawings of machines; practice in reading drawings. *Professor BROOKS.*

Three hours. One hour of recitation and eight hours of drawing. First and Second Terms. Required of candidates for the degree of Bachelor of Science in Mechanical Engineering and Electrical Engineering. Elective for students who have credit for 3. *Tu. at 12.20; Mon., Th., 2.20 to 5.20.*

### 6. *Elements of Machine Design*

*Professor BROOKS.*

Three hours. One hour of recitation and five hours of drawing. Third Term. Elective for students who have credit for 5.

### 7. *Shades and Shadows and Perspective; Architectural Drawing*

Problems relating to the shade and shadow and perspective of elementary magnitudes; the principles of architectural design and composition; working drawings and ordinary office practice. *Professor RANDALL.*

Three hours. Six hours of drawing. Through the year. Elective for students who have credit for 1 or 3. Given at the University during the First Term, and at the Rhode Island School of Design during the Second and Third Terms.

### 8. *Mechanical Drawing, practical*

For students desiring to continue their course in drawing without taking the theoretical work of descriptive geometry. Intersections and developments; third quadrant projection; sketching and dimensioning; conventional methods of representing machine parts; detailing and assembling; exercises in reading drawings; architectural drawing, including the drawing of plans and elevations, and the details of building construction. *Professor BROOKS.*

Three hours. Six hours of drawing. Second and Third Terms. Elective for students who have credit for 2. *Mon., Wed., Th., at 10.20.*

## XVIII. PHILOSOPHY

WILLIAM HERBERT PERRY FAUNCE, A.M., D.D., LL.D., *Professor of Moral and Intellectual Philosophy*

EDMUND BURKE DELABARRE, PH.D., *Professor of Psychology*

WALTER GOODNOW EVERETT, PH.D., *Professor of Philosophy and Natural Theology*

WALTER BALLOU JACOBS, A.M., *Professor of the Theory and Practice of Education*

ALEXANDER MEIKLEJOHN, PH.D., *Professor of Logic and Metaphysics*

### 1. *Logic*

Aims, methods, and limitations of human thinking; a preparation for work in the sciences and in philosophy. First Term, general introduction and formal logic. Second Term, principles and methods of

the natural sciences. Third Term, relations of science to philosophy; philosophical interpretation and criticism of the results of science.  
*Professor MEIKLEJOHN.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors.  
*Mon., Th., Fri., at 9.20.*

## 2. *Psychology, introductory course*

The main facts and laws of mental life, with particular attention to their arrangement in a scientific system, and to their philosophical bearing. The course furnishes a knowledge of mental law important for practical life, and serves also as a transition from the special sciences to philosophy. *Professor DELABARRE.*

Three hours. Through the year. Elective for Juniors. *Wed., Fri., Sat., at 11.20.*

## 3. *Psychology, advanced course*

A seminary for the discussion of important and interesting questions in psychology, especially the problems of mental composition, of the relation of mind and body, and of hypnotism and psychical research.  
*Professor DELABARRE.*

Three hours. Through the year. Elective for Seniors and Graduates.

## 4. *Experimental Psychology, introductory laboratory course*

Description of the main lines and results of experimental research; demonstrations by the instructor or the class; training in the use of apparatus and in careful scientific observation and measurement.  
*Professor DELABARRE.*

Three hours. Six hours of attendance. Through the year. Elective for Juniors, Seniors, and Graduates who have taken or are taking 2. Although essentially a year course, it may, by special arrangement with the instructor, be taken for a shorter period.

## 5. *Experimental Psychology, advanced laboratory course*

The problems investigated vary and the course may therefore be taken two or more years in succession. The aim is to make original contributions to scientific knowledge in psychology and to publish the results. *Professor DELABARRE.*

One to six hours. Two to twelve hours of attendance. Through the year. Elective for students who have credit for 4. May be taken for more than six hours by Graduates.

## 6, 7, 8. *History of Philosophy*

The successive philosophical systems in their dialectical develop-

ment and mutual relations; treatment not merely analytic and historical, but synthetic and constructive as well. First Term, Greek philosophy. Second Term, mediaeval and early modern philosophy. Third Term, recent and contemporary philosophy. *Professor EVERETT.* Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon., Th., Fri., at 9.20.*

### 9, 10. *Theoretical Ethics*

Intended to aid in mastering the fundamental problems of life and character. First Term, a discussion of the nature and relations of ethics and an outline of the history of the chief ethical systems. Second Term, a critical study of the fundamental concepts of ethics with the aim of constructing a tenable theory of conduct. *Professor EVERETT.* Three hours. First and Second Terms. Elective for Seniors and Graduates. *Tu., Wed., Sat., at 9.20.*

### 11. *Practical Ethics*

The application of ethical theory to the life of the individual, the family, and the state. Discussion of current problems, personal, industrial, and social, from the ethical standpoint. *President FAUNCE.* Three hours. Third Term. Elective for Juniors. *Tu., Wed., Sat., at 9.20.*

### 12. *Philosophy of Religion*

An investigation of the ultimate problems of religious belief. *Professor EVERETT.*

Three hours. Third Term. Elective for Seniors and Graduates who have credit for one course in Philosophy. *Tu., Wed., Sat., at 9.20.*

### 13, 14, 15. *Philosophical Seminary*

Lectures, written reports, and discussions on the more difficult problems of philosophy. Subject for 1906-7: A historical and critical study of Christian ethics. *Professor EVERETT.*

Three hours. Through the year. Elective for Graduates.

### 16. *Kantian and Post-Kantian Philosophy*

Kant's *Critique of Pure Reason* studied as the source of German rationalism. *Professor MEIKLEJOHN.*

Three hours. Through the year. Elective for Seniors who have credit for 6, 7, 8, and for Graduates.

## EDUCATION‡

*Professor JACOBS**1. History of Education*

Education among the early culture peoples as forming and perpetuating their civilization; the development of education in Greece and Rome as parallel to the development of thought and learning; early Christian education; the renaissance and humanism; the rise of realism in thought and education. The history of education considered from the point of view of the history of civilization.

Three hours. First Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

*2. Critical Study of Modern Education*

The beginnings of modern education; the naturalistic movement—Rousseau; the psychological movement—Pestalozzi, Froebel, Herbart; the scientific movement—Spencer; recent sociological tendencies; current experiments; problems which an adequate theory of education must solve.

Three hours. Second Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

*3. Fundamental Principles of Education*

The meaning and aim of education; the function of education as a social institution; the sequence and coördination of studies; the principles of instruction; apperception; the steps in method; the use of the type in instruction; the training of the will; the principles of moral education.

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

*4. Psychology of Education*

Theory and process of mental development, with special emphasis

‡ Courses 1, 2, and 3 treat education in its relation to the individual and to the social and political whole; their interest is therefore not limited to those who intend to teach. At the same time they form an introduction to the more advanced courses in Education. Those who intend to teach are advised to elect these courses during the Junior year.

Courses 1-6 cover the usual requirements for certificates of the First Grade except where practice teaching or experience is demanded. In Rhode Island a certificate is required of all teachers in schools supported in whole or in part by public money. Certificates of the First Grade are granted without examination to those who have completed courses 1-6 and hold a college degree. Due credit is also given for separate courses.

upon the period of adolescence; psychology of method, and of the various studies and disciplines; ways in which student and teacher may utilize a knowledge of the more fundamental activities of the mind.

Three hours. First Term. Elective for Seniors and Graduates who have credit for 1, 2, or 3, or who are taking 1. *Mon., Tu., Th., at 11.20.*

### 5. *Hygiene of Education*

A study of bodily growth and development; special emphasis upon the period of adolescence; play and fatigue; physical culture and athletics; arrested growth; the conditions and surroundings which favor or retard normal development; school hygiene.

Three hours. Second Term. Elective for Seniors and Graduates who have credit for 1, 2, or 3, or who are taking 2. *Mon., Tu., Th., at 11.20.*

### 6. *Practical Introduction to Teaching*

The method of the recitation; management and discipline of classes; observation of good teaching; practical applications of method.

Three hours. Third Term. Elective for Seniors and Graduates who have taken or are taking other courses in Education. *Mon., Tu., Th., at 11.20.*

### 7, 8, 9. *Methods in Secondary School Studies and the Organization, Equipment, and Management of Secondary Schools*†

Importance and meaning of secondary school studies; their organization into a curriculum; method as applied to each subject; the resources at the command of the teacher. The following studies receive special attention: First Term, Latin and Modern Languages; Second Term, History and English; Third Term, Science and Mathematics.

Three hours. Through the year. Two hours of class-room attendance. Required of student-teachers. Elective for Graduates and experienced teachers. *Wed. 3.20 to 5.20.* Each term may be elected independently.

### 10, 11, 12. *Problems in Practical Teaching; Secondary Schools*†

Practice teaching in the Providence High Schools under experienced teachers. Observation, reports, and conferences. Designed for those who wish to become instructors in colleges, teachers or principals in secondary schools, or superintendents of schools.

Three hours. Through the year. Elective for approved Graduates who have credit for elementary courses in Education and who are taking 7, 8, 9 and 16, 17, 18. *Fri. at 3.20,* and at other hours to be arranged.

† In connection with this course, and for an explanation of the work of student-teachers, see page 154, under Arrangements with the School Committee of the City of Providence.



13, 14, 15. *Problems in Practical Teaching; Grammar Grades*† Practice teaching in the Providence Grammar Schools under experienced teachers. Observation, reports, and conferences. Designed especially for those who wish to become grade teachers, principals of grammar schools, or superintendents of schools, but also for those who wish to teach in secondary schools. The following studies receive special attention: First Term, Arithmetic; Second Term, Language; Third Term, History and Geography.

Three hours. Through the year. Elective for approved Graduates who have credit for elementary courses in Education and who are taking 16, 17, 18. Elective also by special permission for a limited number of Seniors. *Mon. at 3.20*, and at other hours to be arranged.

16, 17, 18. *Seminary in Education*‡

Reviews and discussions of recent publications; reports on special studies undertaken by members. The subjects vary from year to year. For 1906-7 they are: First Term, Recent educational theory. Second Term, Moral education. Third Term, An intensive study of some period in the history of education.

Three hours. Two hours of class-room attendance. Required of student-teachers. Elective for Graduates and experienced teachers. *Sat. 10.20 to 12.20*. Each term may be elected independently.

## XIX. PHYSICS

CARL BARUS, PH.D., *Hazard Professor of Physics*

ALBERT DEFOREST PALMER, JR., PH.D., *Associate Professor of Physics*

ARTHUR EUGENE WATSON, PH.D., *Assistant Professor of Physics*

ROBERT FRANKLIN FIELD, A.B., *Assistant in Physics*

1, 2, 3. *Elementary Physics*§

First Term, kinematics and dynamics. Second Term, molecular physics. Third Term, electricity. Lectures, illustrated by experiments and the lantern; weekly written exercises corrected in detail by the instructors. Designed for those who have had little previous training in physics. *Professor BARUS*.

Three hours. Through the year. Elective for Undergraduates who have credit for Mathematics 1, 2, 3. *Mon., Wed., Th., at 10.20*.

† In connection with this course, and for an explanation of the work of student-teachers, see page 154, under Arrangements with the School Committee of the City of Providence.

§ Graduates attending courses 1, 2, 3, 4, 5, 6 are held responsible for all the demonstrations, or for the full equivalent of either Watson's or Daniel's *Principles of General Physics*.

#### 4, 5, 6. *Elementary Physics, continued*†

First Term, optics. Second Term, acoustics; polarization of light. Third Term, heat. Methods as in 1, 2, 3. *Professor BARUS.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors who have credit for 1, 2, 3. *Tu., Fri., Sat., at 10.20.*

#### 7. *Physical Measurements*

Elementary theory and practice of physical manipulation. Reports of experiments and solution of problems. *Professor PALMER and Mr. FIELD.*

Three hours. Six hours in the laboratory. Through the year. Elective for students who have credit for 1, 2, 3 or 4, 5, 6. *Mon. at 12.20.*

#### 8, 9, 10. *Mathematical Treatment of Dynamical Problems*§

Lectures. First Term, discussion of the general principles of dynamics and the development of the general equations of motion. Second and Third Terms, application of these principles to special problems in thermodynamics and hydrodynamics. *Professor PALMER.*

Three hours. Through the year. Elective for Seniors and Graduates who have credit for 7 and Mathematics 9.

#### 11, 12, 13. *Mathematical Theory of Electricity and Magnetism*§

Lectures. Includes a discussion of the more important problems of electrical science. *Professor PALMER.*

Three hours. Through the year. Elective for Graduates and Seniors who have credit for 7 and Mathematics 9.

#### 14, 15, 16. *Advanced Laboratory Course*

Special problems and reference to original sources for methods of solution. *Professors BARUS, PALMER, and WATSON.*

Three or six hours. Six or twelve hours of attendance. Through the year. Elective for students who have credit for 7.

#### 17, 18, 19. *Applied Harmonic Analysis*||

Importance of Fourier's method shown by examples drawn from the

† Graduates attending courses 1, 2, 3, 4, 5, 6 are held responsible for all the demonstrations, or for the full equivalent of either Watson's or Daniel's *Principles of General Physics*.

§ Of the two courses 8, 9, 10 and 11, 12, 13, only one will be offered in any given year. In determining which shall be offered, the preference of applicants will be considered.

|| Of the two courses 17, 18, 19 and 20, 21, 22, only one will be offered in any given year. In determining which shall be offered, the preference of applicants will be considered.

analytical theory of heat, from elastics, alternating electricity, and elsewhere; treatment by the aid of spherical harmonics, Bessel functions, and Lamé functions. *Professor BARUS.*

Three hours. Through the year. Elective for Seniors and Graduates who have credit for 1, 2, 3 and Mathematics 7, 9.

#### 20, 21, 22. *Physics, advanced course*†

Lectures on dynamics, potential, elastics, hydrostatics, hydrodynamics, viscosity, capillarity, electrostatics, magnetism, electro-magnetism, thermo-electrics, induction, Fresnel's optics, the electro-magnetic theory of light, thermal analytics, and thermodynamics. Completed in two years. *Professor BARUS.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates who have credit for Mathematics 5, 6, 7.

#### 23. *Precision Measurements in Photometry, Electricity, Magnetism, and Electro-Chemistry*

*Professor PALMER.*

Three hours. Six hours in the laboratory. Through the year. Elective for students who have credit for 7 and Mathematics 6.

### ELECTRICAL ENGINEERING§

*Professor WATSON*

#### 1, 2, 3. *General Course*

First Term, definite instruction in methods of generating and utilizing electric currents. Second Term, technical study of theory and working of direct current dynamo-electric machinery. Third Term, practical methods of operating and testing various sizes and types of standard dynamos and accessory apparatus; lectures on alternating current machinery.

Three hours. Through the year. Elective for students who have taken or are taking Physics 3 and 7 and Mathematics 12. First Term, *Mon., Th., Fri., at 9.20.* Second and Third Terms, *Mon., Th., at 9.20.*

#### 4, 5, 6. *Alternating Currents*

Mathematical and graphical treatment.

† Of the two courses 17, 18, 19 and 20, 21, 22, only one will be offered in any given year. In determining which shall be offered, the preference of applicants will be considered.

§ All the courses in this department are required of candidates for the degree of Bachelor of Science in Electrical Engineering.

Three hours. Two hours of recitation and two hours of laboratory work. Through the year. Elective for students who have credit for 3 and who have taken or are taking Mathematics 9. *Mon., Th., Fri., at 11.20.*

### 7, 8, 9. *Industrial Electricity*

First Term, telephone and telegraph engineering. Second Term, history of electrical engineering. Third Term, design and calculation of direct current machinery, including actual drawing of electrical machinery in connection with Mechanical Engineering 11.

Three hours. Through the year. Not elective. To be taken with 1, 2, 3. First Term, *Tu., Wed., Sat., at 9.20.* Second and Third Terms, *Tu., Fri., Sat., at 9.20.*

### 10, 11, 12. *Special Topics in Electrical Engineering*

First Term, electric railway engineering. Second Term, design and calculation of alternating current machinery; central station design and equipment; systems of distribution.

Three hours. First and Second Terms. Elective for students who have credit for 1, 2, 3. *Mon., Th., Fri., at 10.20.*

### 13. *Specific Electrical Engineering Problems*

Reading and discussion. Seminary method.

Three hours. Third Term. Not elective. *Mon., Th., Fri., at 10.20.*

### 14. *Thesis*

A thesis is required of all candidates for the degree of Bachelor of Science in Electrical Engineering. The thesis must embody either a design or a review of an engineering plant, appliance, process, or structure, or the results of an experimental investigation.

## XX. ROMAN LITERATURE AND HISTORY

ALBERT GRANGER HARKNESS, A.M., *Professor of Roman Literature and History*

JOHN FRANCIS GREENE, A.M., *Assistant Professor of Roman Literature and History*

LIDA SHAW KING, A.M., *Assistant Professor of Classical Philology*

### 1. *Livy*

Designed to enable the student to acquire facility in reading Latin, and to instruct him in the use of the Latin texts as a means of gain-

ing a knowledge of Roman history; grammatical study and literary criticism also receive attention. *Professors HARKNESS and GREENE.*

Three hours. First Term. Elective for students who presented elementary and advanced Latin for admission. *1st div. Wed., Fri., Sat., at 11.20; 2d div. Tu., Th., Sat., at 12.20.*

## 2. *Cicero's Letters*

Aims and methods as in 1. *Professors HARKNESS and GREENE.*

Three hours. Second Term. Elective for students who presented elementary and advanced Latin for admission. *1st div. Wed., Fri., Sat., at 11.20; 2d div. Tu., Th., Sat., at 12.20; 3d div. Mon., Tu., Th., at 2.20.*

## 3. *Tacitus's Germania and Agricola.*

Aims and methods as in 1. *Professors HARKNESS and GREENE.*

Three hours. Third Term. Elective for students who presented elementary and advanced Latin for admission. *1st div. Wed., Fri., Sat., at 11.20; 2d div. Tu., Th., Sat., at 12.20; 3d div. Mon., Tu., Th., at 2.20.*

## 4. *Horace's Odes and Epodes*

Critical study of the poems, supplemented by rapid reading with a view to comprehending the spirit of the author; the literary side of the study is made prominent. Lectures; literary topics assigned to the class for special study. *Professor HARKNESS.*

Three hours. First Term. Elective for Sophomores. *Mon., Wed., Fri., at 12.20.*

## 5. *Catullus, Tibullus, and Propertius*

Aims and methods as in 4. *Professor GREENE.*

Three hours. Second Term. Elective for Sophomores. *Mon., Wed., Fri., at 12.20.*

## 6. *Satires of Horace*

Aims and methods as in 4. *Professor HARKNESS.*

Three hours. Third Term. Elective for Sophomores. *Mon., Wed., Fri., at 12.20.*

## [7, 8, 9. *Latin Poetry*]

Aims to give a connected and comprehensive view of the history and development of Latin poetry. Forms with 10, 11, 12 a two-year consecutive course affording a general survey of Roman literature. Lectures on the lives and writings of the authors; reading of characteristic selections; special study by members of the class of assigned

topics in literary history and criticism. First Term, Plautus; Second Term, Lucretius; Third Term, Juvenal and Martial. *Professors HARKNESS and GREENE.*

Three hours. Through the year. Elective for Juniors and Seniors. Each term may be elected independently. Not offered in 1906-7.

### 10, 11, 12. *Latin Prose*

Aims to give a connected and comprehensive view of the history and development of Latin prose. Forms with 7, 8, 9 a two-year consecutive course affording a general survey of Roman literature. Lectures on the lives and writings of the authors, on the development of oratory, etc.; reading of characteristic selections; special study by members of the class of assigned topics in literary history and criticism. First Term, specimens of early Latin, Cicero's *Brutus*, and Quintilian; Second Term, Cicero; Third Term, the *Annals* of Tacitus. *Professors HARKNESS and GREENE.*

Three hours. Through the year. Elective for Juniors and Seniors. Each term may be elected independently. *Tu., Fri., Sat., at 10.20.*

### 13, 14, 15. *Petronius, Pliny the Younger, Martial*

*Professor HARKNESS.*

One hour. Through the year. Elective for Juniors, Seniors, and Graduates. *Fri. at 2.20.*

### [16, 17, 18. *Epigraphy*]

*Professor HARKNESS.*

Two hours. Through the year. Elective for Graduates and approved Undergraduates. Not offered in 1906-7.

### 22, 23, 24. *Latin Composition*

*Professor GREENE.*

One hour. Through the year. Elective for Sophomores, Juniors, and Seniors. *Mon. at 3.20.*

### 25, 26, 27. *Seminary in Latin*

Subject for 1906-7: Palaeography and textual criticism. Reading from the prose of the Empire. Gudeman's *Latin Literature of the Empire*, vol. 1. *Professors HARKNESS and GREENE.*

Two hours. Through the year. Elective for Graduates.

### 28, 29. *Roman Life*

The private and public life of the Romans. Intended to give a com-

prehensive view of the civilization of Rome. Study based on the monuments and literature. Lectures, supplemented by reading and reports. No knowledge of Latin required. A continuation of Greek 33, the three terms together constituting the course called History of Greek and Roman Life and Institutions. *Professor GREENE.*

Three hours. Second and Third Terms. Elective for Freshmen and Sophomores. *Wed., Fri., Sat., at 11.20.*

### [30. *Roman Literature*]

A brief history of Roman literature. Some of the most important and characteristic works studied in English translations. No knowledge of Latin required. Follows Greek 34 and is continued in the third term by Indo-European Philology 1. *Professor HARKNESS.*

Three hours. Second Term. Elective for Freshmen and Sophomores. Not offered in 1906-7.

### [31, 32, 33. *History of the Roman Empire*]

First Term, the Early Empire. Second Term, the Age of the Antonines. Third Term, the Age of Constantine. *Professor GREENE.*

Three hours. Through the year. Elective for Sophomores, Juniors, and Seniors. Each term may be elected independently. Not offered in 1906-7.

### 34. *Vergil*

*Bucolics*, with special reference to literary sources and influence; *Georgics* and *Aeneid*, with special reference to the history of the times. *Professor KING.*

Three hours. First Term. Elective for Sophomores in the Women's College.

## XXI. ROMANCE LANGUAGES AND LITERATURES

COURTNEY LANGDON, A.B., *Professor of the Romance Languages and Literatures*

ALBERT BUSHNELL JOHNSON, A.M., *Associate Professor of the Romance Languages*

ALBERT SWIFT MORSE, A.M., *Assistant Professor of the Romance Languages*

CHARLES HERMAN HUNKINS, A.B., *Instructor in French*

### 1. *Elementary French*

Grammar, composition, dictation; translation of selections from mo-

modern authors into idiomatic English. The equivalent of the French required for admission. *Professor MORSE and Mr. HUNKINS.*

Three hours. Through the year. Required of all students who did not present French for admission. *1st and 2d div. Tu., Wed., Sat., at 9.20; 3d div. Mon., Tu., Th., at 2.20.*

2, 3, 4. *French Language, intermediate course*

Syntax, translation of modern authors, written and oral translation into French of exercises based upon the texts read, dictation. Intended to give students a large working vocabulary. *Professors JOHNSON and MORSE, Mr. HUNKINS.*

Three hours. Through the year. Required of all students who presented elementary French for admission. Elective for students who have credit for 1. *1st, 3d, and 5th div. Wed., Fri., Sat., at 11.20; 2d div. Tu., Th., Fri., at 8; 4th div. Tu., Th., Fri., at 3.20.*

5, 6, 7. *French Language and Literature*

An introduction to the best French literature of the nineteenth century; includes some study of the language. *Mr. HUNKINS.*

Three hours. Through the year. Elective for students who presented advanced French for admission, or who attained only the grade of P in 2, 3, 4. *Mon., Tu., Th., at 11.20.*

[8, 9, 10. *French Literature from 1800 to 1850*]

Chateaubriand, Hugo, Lamartine, De Musset, Balzac, and Gautier; abstracts (in French) of works read outside the class; sight reading a prominent feature. *Professor JOHNSON.*

Three hours. Through the year. Elective for students who attained the grade of C in 2, 3, 4, or who have credit for 5, 6, 7. Not offered in 1906-7.

[11, 12, 13. *French Literature since 1850*]

Flaubert, the Goncourts, Zola, Daudet, Renan, Augier, the younger Dumas, Rostand, and others; abstracts (in French) of works read outside the class; sight reading a prominent feature. *Professor JOHNSON.*

Three hours. Through the year. Elective for students who attained the grade of C in 2, 3, 4, or who have credit for 5, 6, 7. Not offered in 1906-7.

14, 15, 16. *Practice in Writing and Speaking French.*

Intended especially for those preparing to teach; a large amount of composition, dictation, and conversation; oral and written abstracts of French passages read in the class by the instructor; oral translation into French of an English novel. *Professor JOHNSON.*



Three hours. Through the year. Elective for students who attained the grade of C in 2, 3, 4 or 5, 6, 7. *Mon., Tu., Th., at 11.20.*

[17, 18, 19. *Old French*]

The elements of Romance philology and an introduction to the literature of the Middle Ages in France. *Professor MORSE.*

Three hours. Through the year. Elective for approved Seniors and Graduates. Not offered in 1906-7.

[20, 21, 22. *French Literature from 1636 to 1800*]

Corneille, Pascal, Madame de La Fayette, Molière, Racine, La Fontaine, Boileau, Bossuet, Madame de Sévigné, Saint-Simon, Marivaux, Le Sage, Voltaire, Beaumarchais, and others. *Professor JOHNSON.*

Three hours. Through the year. Elective for students who have credit for 10, 13, or 16. Not offered in 1906-7.

23, 24, 25. *The French Drama*

The drama from Corneille to Rostand, with special study of its classical and romantic sources and influences. *Professor LANGDON.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates who have attained the grade of C in 2, 3, 4. *Tu., Fri., Sat., at 10.20.*

26, 27, 28. *Modern Italian*

Grammar, composition, conversation, and rapid translation of modern authors. *Professor MORSE.*

Three hours. Through the year. Elective for Juniors and Seniors, and for Sophomores not electing more than one other modern foreign language. *Tu., Fri., Sat., at 10.20.*

29, 30, 31. *Italian Literature from 1321 to 1800*

Selections from Petrarch, Sacchetti, Tasso, Macchiavelli, and Goldoni, with a brief survey of the life and history of the times. *Professor MORSE.*

Three hours. Through the year. Elective for students who have credit for 26, 27, 28. *Mon., Tu., Th., at 11.20.*

32, 33, 34. *Dante*

The *Divina Commedia* read in the original. *Professor LANGDON.*

Three hours. Through the year. Elective for students who have credit for 26, 27, 28. *Mon., Wed., Th., at 10.20.*

35, 36, 37. *Dante in English*

A study of the whole of the *Divina Commedia* in English, in the light of modern thought and in connection with other great world-poems

such as *Job*, the *Iliad* and the *Odyssey*, the *Aeneid*, *Hamlet*, *Paradise Lost*, *Faust*, and *The Ring and the Book*. An introduction to a study of comparative literature by means of the best available translations. *Professor LANGDON*.

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon., Tu., Th., at 11.20.*

### 38, 39, 40. *Modern Spanish*

Grammar, conversation, composition, writing from dictation, and rapid reading. *Professor JOHNSON*.

Three hours. Through the year. Elective for Juniors, and for Sophomores not electing more than one other modern foreign language. *Tu., Fri., Sat., at 10.20.*

### [41, 42, 43. *Spanish Literature of the Nineteenth Century*]

Gil y Zárate, Moratin, Núñez de Arce, Tamayo, Echegaray, Alarcón, Valera, Galdós, Valdés, and Pardo Bazán. *Professor JOHNSON*.

Three hours. Through the year. Elective for students who have credit for 38, 39, 40. Not offered in 1906-7.

### 44, 45, 46. *Spanish Classics*

Cervantes, Lope, Calderón, Téllez, and others. *Professor JOHNSON*.

Three hours. Through the year. Elective for students who have credit for 38, 39, 40. *Mon., Wed., Th., at 10.20.*

## XXII. SOCIAL AND POLITICAL SCIENCE†

GEORGE GRAFTON WILSON, PH.D., *Professor of Social and Political Science*

JAMES QUAYLE DEALEY, PH.D., *Professor of Social and Political Science*

LESTER FRANK WARD, A.M., LL.D., *Professor of Sociology*

### POLITICAL SCIENCE

#### 1. *Political Science, elementary*

Affords a general outline of the subject, and serves as an introduction to the more extended and special courses which follow. *Professor WILSON*.

† The courses in this department other than 1 are open only to those students who have credit for Political Science 1, Social Science 1, and Economics 1, which together constitute an introduction to the advanced work of the departments of Social and Political Science and Economics.

Three hours. First Term. Sophomore, Junior, or Senior year. Required of candidates for the degree of Bachelor of Arts; elective for others. *1st div. Tu., Fri., Sat., at 10.20; 2d div. Mon., Tu., Th., at 11.20.*

## 2. *International Relations*

International law, diplomacy, and world-politics. *Professor WILSON.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Fri., at 12.20.*

## 3, 4. *American Government*

First Term, constitution, organization, powers, and methods of the national system of government. Second Term, organization and functions of the states and cities of the United States. Followed by 5 in the Third Term. Course 4 is supplemented by Civil Engineering 16, the course in Municipal Improvements. *Professor DEALEY.*

Three hours. First and Second Terms. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Th., at 10.20.*

## 5. *Comparative Study of Constitutions*

The constitutions of Germany, France, Great Britain, and Switzerland especially considered. *Professor DEALEY.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates. *Mon., Wed., Th., at 10.20.*

## 6. *Roman Law*†

The influence of Roman law on ancient and modern political institutions. *Professor WILSON.*

Three hours. First Term. Elective for Juniors, Seniors, and Graduates. *Mon., Th., Fri., at 9.20.*

## 7. *Jurisprudence*†

The fundamental principles of law and legal relations. *Professor WILSON.*

Three hours. Second Term. Elective for Juniors, Seniors, and Graduates. *Mon., Th., Fri., at 9.20.*

## 8. *Constitutional Law*†

The principles and development of constitutional law, with special reference to the Constitution of the United States. *Professor DEALEY.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates. *Mon., Th., Fri., at 9.20.*

† Courses 6, 7, and 8 form a single course continuous through the year.

9. *The Latin-American Republics*†

The government and social conditions of the Latin-American Republics. *Professor DEALEY*.

Three hours. One term. Offered if applied for by Graduates.

10. *Political Parties*†

The development of political parties in the United States and Europe. *Professor WILSON*.

Three hours. One term. Offered if applied for by Graduates.

11. *Administration*†

The principles and the chief national systems of administration. *Professor WILSON*.

Three hours. One term. Offered if applied for by Graduates.

12. *Administration (continued)*†

Local and colonial administration. *Professor WILSON*.

Three hours. One term. Offered if applied for by Graduates.

13. *The State*†

The origin, forms, development, functions, and institutions of the state. *Professor DEALEY*.

Three hours. One term. Offered if applied for by Graduates.

14. *Development of Political Theory*†

The growth of important political ideas traced from Plato to the present time, with emphasis on the evolution of democracy. *Professor DEALEY*.

Three hours. One term. Offered if applied for by Graduates.

15. *Current Political Theory and Practice*†

A seminary course. Intended to train students in methods of estimating the value and significance of recent publications on political topics, and the changes consequent upon current political development. *Professors WILSON and DEALEY*.

One hour. Through the year. Elective for Graduates.

20, 21, 22. *Investigation of Special Topics*

Intended to train the student in methods of gathering, handling,

† Courses 9-15 are primarily for Graduates, and may be elected by those Undergraduates only who are approved by the department. These courses are given according to the needs of qualified applicants.

and presenting data in the study of social and political problems. Laboratory methods. *Professors WILSON and DEALEY, Dr. KIRK.*  
Three hours. Six hours of attendance. Through the year. Elective for Graduates and for approved Juniors and Seniors.

## SOCIAL SCIENCE

### 1. *Social Science, elementary*

Affords a general outline of the subject, and serves as an introduction to the more extended and special courses which follow. *Professor DEALEY.*

Three hours. Second Term. Sophomore, Junior, or Senior year. Must be preceded by Political Science 1. Required of candidates for the degree of Bachelor of Arts; elective for others who have credit for Political Science 1. *1st div. Tu., Fri., Sat., at 10.20; 2d div. Mon., Tu., Th., at 11.20.*

### 2. *Social Institutions, Conditions, and Problems*

Historical development of domestic, religious, and political institutions; study of such social problems as charity, crime, intemperance, marriage, and divorce, etc. *Professors WILSON and DEALEY.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Mon., Tu., Th., at 11.20.*

### 3. *Origin and Development of Society*

The formation of human institutions and their subsequent modifications. *Professor WARD.*

Three hours. Through the year. Elective for Juniors, Seniors, and Graduates. *Tu., Th., Sat., at 12.20.*

### 4. *Social Philosophy*†

The relation of sociology to other sciences, especially its psychic aspects, and the interpretation of social phenomena. *Professor WARD.*

Three hours. First and Second Terms. Elective for Juniors, Seniors, and Graduates. *Wed., Fri., Sat., at 11.20.*

### 5. *Application of Sociological Principles*†

The utility of sociology as the basis of legislation and of the social art. The improvement of society through conscious effort. *Professor WARD.*

Three hours. Third Term. Elective for Juniors, Seniors, and Graduates. *Wed., Fri., Sat., at 11.20.*

† Courses 4 and 5 form a single course continuous through the year.

6. *Sociological Aspects of Education*†

The social importance of intellectual development and of the diffusion of knowledge. *Professor WARD.*

Three hours. Through the year. Elective for Graduates.

8. *Demography*†

Dispersion of races; social study of race characteristics; emigration, immigration, etc. *Professor WILSON.*

Three hours. One term. Offered if applied for by Graduates.

9. *Development of Social Theory*†

Traces important theories, ancient and modern, in regard to social conditions and development. *Professor DEALEY.*

Three hours. One term. Offered if applied for by Graduates.

7. *Current Social Theory and Practice*†

A seminary course. *Professors WILSON and DEALEY.*

One hour. Through the year. Elective for Graduates.

## PHYSICAL TRAINING

FREDERICK WILLIAM MARVEL, PH.B., *Professor of Physical Training*

From the close of the Thanksgiving recess to the end of the second term, all first and second year students are required to attend gymnasium exercises three times a week as follows:

FRESHMEN. 1st div. Tu., Fri., Sat., at 10.20; 2d div. Mon., Tu., Th., at 4.20.

SOPHOMORES. 1st div. Mon., Wed., Th., at 10.20; 2d div. Tu., Th., Fri., at 3.20.

A voluntary class for Juniors and Seniors will be held on Mon., Tu., Th., Fri., at 5.10.

† Courses 6-9 are primarily for Graduates and may be elected by those Undergraduates only who are approved by the department. These courses are given according to the needs of qualified applicants.

# TABLE OF ELECTIVE COURSES, 1906-7‡

## FIRST TERM

<i>Art</i>	<i>Chemistry</i>	<i>English</i>
1 Jr. Sr.	33 Gr. Sr.	2 So.
4 Jr. Sr.	36 Gr. Sr.	4 Jr. Sr.
9 Gr.	<i>Civil Engineering</i>	5 Jr. Sr.
10 Fr. So. Jr. Sr.	4 So. Jr. Sr.	7 So. Jr. Sr.
11 Jr. Sr.	10, 11 Jr. Sr.	9 Jr. Sr. Gr.
<i>Astronomy</i>	16 Jr. Sr.	10 Jr. Sr. Gr.
1 Jr. Sr.	23 Sr.	11 So.
4 Jr. Sr.	25 Sr.	14 So. Jr. Sr.
7 So. Jr. Sr.	26 Sr.	15 Jr. Sr.
10 Gr. Sr.	<i>Comparative Anatomy</i>	17 Jr. Sr.
13 Gr.	1 Fr. So. Jr. Sr.	19 So. Jr. Sr.
<i>Biblical Literature</i>	2 So. Jr. Sr.	20 So. Jr. Sr.
1 Jr. Sr. Gr.	4 Jr. Sr.	23 Gr. Sr.
2 Sr. Gr.	7 So. Jr. Sr.	24 Jr. Sr.
3 Gr. Sr.	9 Jr. Sr.	<i>French</i>
4 Gr.	11 Gr.	2 So. Jr. Sr.
5 Gr. Sr.	12 Gr.	5 Fr. So. Jr. Sr.
6 Sr. Gr.	13 Gr.	14 So. Jr. Sr.
7 Jr. Sr. Gr.	14 Gr.	23 Jr. Sr. Gr.
13 So. Jr. Sr. Gr.	15 Gr.	37 Jr. Sr.
15 Gr. Jr. Sr.	<i>Drawing</i>	<i>Geology</i>
16 Gr.	2 Fr. So. Jr. Sr.	3 So. Jr. Sr.
<i>Botany</i>	4 So. Jr. Sr.	9 Jr. Sr. Gr.
1 Fr. So. Jr. Sr.	7 So. Jr. Sr.	10 Jr. Sr.
3 So. Jr. Sr. Gr.	<i>Education</i>	13 Gr.
6 Gr. Jr. Sr.	1 Jr. Sr. Gr.	14 Gr.
<i>Chemistry</i>	4 Sr. Gr.	12 Jr. Sr.
1 Fr. So. Jr. Sr.	7 Gr.	<i>German</i>
4 So. Jr. Sr.	10 Gr.	3 So. Jr. Sr.
7 Jr. Sr. Gr.	13 Gr.	6 So. Jr. Sr.
10 Jr. Sr. Gr.	16 Gr.	7 So. Jr. Sr.
15 Gr.	<i>Electrical Engineering</i>	8 So. Jr. Sr.
18 Jr. Sr. Gr.	1 Jr. Sr.	10 Jr. Sr.
24 Jr. Sr. Gr.	4 Sr.	12 Jr. Sr.
27 Jr. Sr. Gr.	10 Sr.	15 Jr. Sr.
30 Gr.		21 Gr.

‡ Fr., So., Jr., Sr., Gr., indicate that the courses after which these abbreviations stand are open to Freshmen, Sophomores, Juniors, Seniors, or Graduate students, respectively.

*German*

22 Jr. Sr. Gr.

*Greek*

A Fr. So. Jr. Sr.

1 Fr. So. Jr. Sr.

5 So.

10 Jr. Sr.

23 Gr. Sr.

30 Jr. Sr. Gr.

33 Fr. So.

*History*

2 Jr. Sr. Gr.

4 Jr. Sr. Gr.

11 Jr. Sr. Gr.

14 Gr. Sr.

17 Jr. Sr. Gr.

22 Gr. Sr.

25 Gr.

*Italian*

26 So. Jr. Sr.

29 Jr. Sr.

32 Jr. Sr.

35 Jr. Sr. Gr.

*Latin*

1 Fr. So. Jr. Sr.

4 So.

10 Jr. Sr.

13 Jr. Sr. Gr.

22 So. Jr. Sr.

25 Gr.

31 So. Jr. Sr.

*Mathematics*

4 So. Jr. Sr.

6 So. Jr. Sr.

9 Jr. Sr.

*Mathematics*

15 So. Jr. Sr.

22 Gr. Sr.

25 Gr. Sr.

*Mechanical Engineering*

1-6 So. Jr. Sr.

9 Jr. Sr.

12 Sr.

16 Jr. Sr.

19 Jr. Sr.

22 Sr.

23 Sr.

*Mechanics*

1 So. Jr. Sr.

2 Jr. Sr.

*Philosophy*

1 So. Jr. Sr.

2 Jr.

3 Sr. Gr.

4 Jr. Sr. Gr.

5 Sr. Gr.

6 Jr. Sr. Gr.

9 Sr. Gr.

13 Gr.

16 Sr. Gr.

*Physics*

1 So. Jr. Sr.

4 So. Jr. Sr.

7 Jr. Sr.

8 Sr. Gr.

11 Gr. Sr.

14 Sr.

17 Sr. Gr.

20 Jr. Sr. Gr.

23 Sr.

*Economics*

2 Jr. Sr.

4 Jr. Sr. Gr.

5 Sr. Gr.

6 Jr. Sr. Gr.

10 Jr. Sr. Gr.

13 Jr. Sr.

20 Jr. Sr. Gr.

*Political Science*

1 So. Jr. Sr.

2 Jr. Sr. Gr.

3 Jr. Sr. Gr.

6 Jr. Sr. Gr.

9 Gr.

10 Gr.

11 Gr.

12 Gr.

13 Gr.

14 Gr.

15 Gr.

20 Gr. Sr. Jr.

*Sanskrit*

7 Jr. Sr. Gr.

*Social Science*

2 Jr. Sr. Gr.

3 Jr. Sr. Gr.

4 Jr. Sr. Gr.

6 Gr.

7 Gr.

8 Gr.

9 Gr.

10 Jr. Sr.

*Spanish*

38 So. Jr.

44 Jr. Sr.

## SECOND TERM

*Art*

2 Jr. Sr.

5 Jr. Sr.

7 Gr.

10 Fr. So. Jr. Sr.

11 Jr. Sr.

*Astronomy*

2 Jr. Sr.

5 Jr. Sr.

8 So. Jr. Sr.

11 Gr. Sr.

14 Gr.

*Biblical Literature*

1 Jr. Sr. Gr.

2 Sr. Gr.

3 Gr. Sr.

4 Gr.

5 Gr. Sr.



<i>Biblical Literature</i>	<i>Comparative Anatomy</i>	<i>Geology</i>
6 Sr. Gr.	15 Gr.	10 Jr. Sr.
8 Jr. Sr. Gr.	<i>Drawing</i>	12 Jr. Sr.
13 So. Jr. Sr. Gr.	3 Fr. So. Jr. Sr.	13 Gr.
15 Gr. Jr. Sr.	5 So. Jr. Sr.	14 Gr.
<i>Botany</i>	7 So. Jr. Sr.	<i>German</i>
1 Fr. So. Jr. Sr.	8 Fr. So. Jr. Sr.	4 So. Jr. Sr.
4 So. Jr. Sr. Gr.	<i>Education</i>	6 So. Jr. Sr.
6 Gr. Jr. Sr.	2 Jr. Sr. Gr.	7 So. Jr. Sr.
<i>Chemistry</i>	5 Sr. Gr.	8 So. Jr. Sr.
2 Fr. So. Jr. Sr.	8 Gr.	10 Jr. Sr.
5 So. Jr. Sr.	11 Gr.	13 Jr. Sr.
8 Jr. Sr. Gr.	14 Gr.	15 Jr. Sr.
11 Jr. Sr. Gr.	17 Gr.	21 Gr.
16 Gr.	<i>Electrical Engineering</i>	22 Jr. Sr. Gr.
19 Jr. Sr. Gr.	2 Jr. Sr.	<i>Greek</i>
25 Jr. Sr. Gr.	5 Sr.	B Fr. So. Jr. Sr.
28 Jr. Sr. Gr.	11 Sr.	2 Fr. So. Jr. Sr.
31 Gr.	<i>English</i>	4 So.
34 Gr. Sr.	2 So.	12 Jr. Sr.
37 Gr. Jr.	4 Jr. Sr.	19 So. Jr. Sr.
<i>Civil Engineering</i>	6 Jr. Sr.	21 So. Jr. Sr.
5 So. Jr. Sr.	7 So. Jr. Sr.	24 Gr. Sr.
7 Jr. Sr.	9 Jr. Sr. Gr.	31 Jr. Sr. Gr.
8 So. Jr. Sr.	10 Jr. Sr. Gr.	<i>History</i>
9 So. Jr. Sr.	11 So.	3 Jr. Sr. Gr.
12 Jr. Sr.	14 So. Jr. Sr.	5 Jr. Sr. Gr.
14 Jr. Sr.	15 Jr. Sr.	12 Jr. Sr. Gr.
24 Sr.	17 Jr. Sr.	15 Gr. Sr.
27 Sr.	19 So. Jr. Sr.	17 Jr. Sr. Gr.
29 Sr.	20 So. Jr. Sr.	23 Gr. Sr.
30 Sr.	23 Gr. Sr.	25 Gr.
31 Sr.	24 Jr. Sr.	<i>Italian</i>
<i>Comparative Anatomy</i>	<i>French</i>	27 So. Jr.
1 Fr. So. Jr. Sr.	3 So. Jr. Sr.	30 Jr. Sr.
2 So. Jr. Sr.	6 Fr. So. Jr. Sr.	33 Jr. Sr.
5 Jr. Sr.	15 So. Jr. Sr.	36 Jr. Sr. Gr.
7 So. Jr. Sr.	24 Jr. Sr. Gr.	<i>Latin</i>
9 Jr. Sr.	<i>Geology</i>	2 Fr. So. Jr. Sr.
11 Gr.	1 So. Jr. Sr.	5 So.
12 Gr.	4 Jr. Sr. Gr.	11 Jr. Sr.
13 Gr.	6 So. Jr. Sr.	14 Jr. Sr. Gr.
14 Gr.	8 Jr. Sr. Gr.	23 So. Jr. Sr.

*Latin*

- 26 Gr.
- 28 Fr. So.
- 32 So. Jr. Sr.

*Mathematics*

- 4 So. Jr. Sr.
- 7 So. Jr. Sr.
- 10 Jr. Sr.
- 12 So. Jr. Sr.
- 16 So. Jr. Sr.
- 22 Gr. Sr.
- 25 Gr. Sr.

*Mechanical Engineering*

- 1-6 So. Jr. Sr.
- 10 Jr. Sr.
- 13 Sr.
- 17 Jr. Sr.
- 20 Jr. Sr.
- 22 Sr.

*Mechanics*

- 1 So. Jr. Sr.
- 2 Jr. Sr.

*Philosophy*

- 1 So. Jr. Sr.
- 2 Jr.
- 3 Sr. Gr.

*Philosophy*

- 4 Jr. Sr. Gr.
- 5 Sr. Gr.
- 7 Jr. Sr. Gr.
- 10 Sr. Gr.
- 14 Gr.
- 16 Sr. Gr.

*Physics*

- 2 So. Jr. Sr.
- 5 So. Jr. Sr.
- 7 Jr. Sr.
- 9 Sr. Gr.
- 12 Gr. Sr.
- 15 Sr.
- 18 Sr. Gr.
- 21 Jr. Sr. Gr.
- 23 Sr.

*Economics*

- 2 Jr. Sr.
- 4 Jr. Sr. Gr.
- 5 Sr. Gr.
- 7 Jr. Sr. Gr.
- 11 Jr. Sr. Gr.
- 13 Jr. Sr.
- 21 Jr. Sr. Gr.

*Political Science*

- 2 Jr. Sr. Gr.
- 4 Jr. Sr. Gr.
- 7 Jr. Sr. Gr.
- 9 Gr.
- 10 Gr.
- 11 Gr.
- 12 Gr.
- 13 Gr.
- 14 Gr.
- 15 Gr.
- 21 Gr. Sr. Jr.

*Sanskrit*

- 8 Jr. Sr. Gr.

*Social Science*

- 1 So. Jr. Sr.
- 2 Jr. Sr. Gr.
- 3 Jr. Sr. Gr.
- 4 Jr. Sr. Gr.
- 6 Gr.
- 7 Gr.
- 8 Gr.
- 9 Gr.

*Spanish*

- 39 So. Jr.
- 45 Jr. Sr.

## THIRD TERM

*Art*

- 3 Jr. Sr.
- 6 Jr. Sr.
- 7 Gr.
- 10 Fr. So. Jr. Sr.
- 11 Jr. Sr.

*Astronomy*

- 3 Jr. Sr.
- 6 Jr. Sr.
- 9 So. Jr. Sr.
- 12 Gr. Sr.
- 15 Gr.

*Biblical Literature*

- 1 Jr. Sr. Gr.
- 2 Sr. Gr.

*Biblical Literature*

- 3 Gr. Sr.
- 4 Gr.
- 5 Gr. Sr.
- 6 Sr. Gr.
- 9 Jr. Sr. Gr.
- 13 So. Jr. Sr. Gr.
- 15 Gr. Jr. Sr.

*Botany*

- 1 Fr. So. Jr. Sr.
- 5 So. Jr. Sr. Gr.
- 6 Gr. Jr. Sr.

*Chemistry*

- 3 Fr. So. Jr. Sr.
- 6 So. Jr. Sr.

*Chemistry*

- 9 Jr. Sr. Gr.
- 12 Jr. Sr. Gr.
- 13 Sr. Gr.
- 14 Sr. Gr.
- 17 Gr.
- 20 Jr. Sr. Gr.
- 26 Jr. Sr. Gr.
- 29 Jr. Sr. Gr.

32 Gr.

35 Gr. Sr.

38 Gr. Sr.

*Civil Engineering*

- 6 So. Jr. Sr.
- 13 Jr. Sr.

*Civil Engineering*

15 Jr. Sr.  
17 Sr.  
18 Sr.  
19 So. Jr. Sr.  
28 Sr.  
34 Sr.

*Comparative Anatomy*

1 Fr. So. Jr. Sr.  
2 So. Jr. Sr.  
3 So. Jr. Sr.  
8 Jr. Sr.  
9 Jr. Sr.  
11 Gr.  
12 Gr.  
13 Gr.  
14 Gr.  
15 Gr.  
17 Jr. Sr.  
18 Fr. So. Jr. Sr.

*Drawing*

3 Fr. So. Jr. Sr.  
6 So. Jr. Sr.  
7 So. Jr. Sr.  
8 Fr. So. Jr. Sr.

*Education*

3 Jr. Sr. Gr.  
6 Sr. Gr.  
9 Gr.  
12 Gr.  
15 Gr.  
18 Gr.

*Electrical Engineering*

3 Jr. Sr.  
6 Sr.  
12 Sr.

*English*

2 So.  
4 Jr. Sr.  
6 Jr. Sr.  
7 So. Jr. Sr.  
9 Jr. Sr. Gr.  
10 Jr. Sr. Gr.

*English*

11 So.  
14 So. Jr. Sr.  
15 Jr. Sr.  
17 Jr. Sr.  
19 So. Jr. Sr.  
20 So. Jr. Sr.  
23 Gr. Sr.  
24 Jr. Sr.

*French*

4 So. Jr. Sr.  
7 Fr. So. Jr. Sr.  
16 So. Jr. Sr.  
25 Jr. Sr. Gr.

*Geology*

2 So. Jr. Sr.  
5 Jr. Sr. Gr.  
7 So. Jr. Sr.  
10 Jr. Sr.  
11 Jr. Sr. Gr.  
12 Jr. Sr.

*German*

13 Gr.  
14 Gr.  
5 So. Jr. Sr.  
6 So. Jr. Sr.  
7 So. Jr. Sr.  
8 So. Jr. Sr.  
10 Jr. Sr.  
14 Jr. Sr.  
15 Jr. Sr.  
21 Gr.  
22 Jr. Sr. Gr.

*Greek*

C Fr. So. Jr. Sr.  
3 Fr. So. Jr. Sr.  
6 So.  
9 Jr. Sr.  
20 So. Jr. Sr.  
22 So. Jr. Sr.  
25 Gr. Sr.  
32 Jr. Sr. Gr.

*History*

6 So. Jr. Sr. Gr.  
7 So. Jr. Sr. Gr.  
13 Jr. Sr. Gr.  
16 Gr. Sr.  
18 Jr. Sr. Gr.  
24 Gr. Sr.  
25 Gr.  
26 Jr. Sr. Gr.

*Indo-European Philo-  
logy*

4 Gr. Sr.  
*Italian*  
28 So. Jr. Sr.  
31 Jr. Sr.  
34 Jr. Sr.  
37 Jr. Sr. Gr.

*Latin*

3 Fr. So. Jr. Sr.  
6 So.  
12 Jr. Sr.  
15 Jr. Sr. Gr.  
24 So. Jr. Sr.  
27 Gr.  
29 So. Jr. Sr.

*Mathematics*

5 So. Jr. Sr.  
8 So. Jr. Sr.  
11 Jr. Sr.  
13 So. Jr. Sr.  
16 So. Jr. Sr.  
22 Gr. Sr.  
25 Gr. Sr.

*Mechanical Engineering*

1-6 So. Jr. Sr.  
8 So. Jr. Sr.  
11 Jr. Sr.  
14 Sr.  
15 Sr.  
18 Jr. Sr.  
21 Jr. Sr.

*Mechanics*

1 So. Jr. Sr.

*Philosophy*

1 So. Jr. Sr.

2 Jr.

3 Sr. Gr.

4 Jr. Sr. Gr.

5 Sr. Gr.

8 Jr. Sr. Gr.

11 Jr.

12 Sr. Gr.

15 Gr.

16 Sr. Gr.

*Physics*

3 So. Jr. Sr.

6 So. Jr. Sr.

7 Jr. Sr.

10 Sr. Gr.

13 Gr. Sr.

16 Sr.

19 Sr. Gr.

*Physics*

22 Jr. Sr. Gr.

23 Sr.

*Economics*

1 So. Jr. Sr.

2 Jr. Sr.

4 Jr. Sr. Gr.

5 Sr. Gr.

9 Jr. Sr. Gr.

12 Jr. Sr. Gr.

13 Jr. Sr.

22 Jr. Sr. Gr.

*Political Science*

2 Jr. Sr. Gr.

5 Jr. Sr. Gr.

8 Jr. Sr. Gr.

9 Gr.

10 Gr.

11 Gr.

*Political Science*

12 Gr.

13 Gr.

14 Gr.

15 Gr.

22 Gr. Sr. Jr.

*Sanskrit*

9 Jr. Sr. Gr.

*Social Science*

2 Jr. Sr. Gr.

3 Jr. Sr. Gr.

5 Jr. Sr. Gr.

6 Gr.

7 Gr.

8 Gr.

9 Gr.

*Spanish*

40 So. Jr.

46 Jr. Sr.

# LIBRARIES, LABORATORIES, AND MUSEUMS

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## LIBRARIES

**T**HE libraries of the University contain one hundred and fifty thousand volumes. They comprise the **MAIN LIBRARY**, which occupies the Library Building (the gift of John Carter Brown, of the class of 1816); the **JOHN CARTER BROWN LIBRARY**, with its own building, recently given to the University; and the **DEPARTMENT LIBRARIES**, in the various laboratories and seminary rooms.

### THE MAIN LIBRARY

The Main Library is constantly increased with reference to the different courses of study, while at the same time there is kept in view the development of a library of general culture. It includes three special libraries. The first is the Harris Collection of American Poetry, founded by Albert G. Greene, extended by C. Fiske Harris, and bequeathed to the University by the Hon. Henry B. Anthony, which numbers seven thousand bound volumes, and is perhaps the largest collection in the world devoted to the subject. A fund, given by Samuel C. Eastman, of the class of 1857, in memory of the founder of the collection, Albert G. Greene, of the class of 1820, provides for its regular increase. The second is the Rider Collection of Rhode Island History, formed by Sidney S. Rider and presented to the University by Marsden J. Perry, a collection which has no superior in extent and rarity of manuscript and printed material bearing on the history of the state. The third is the Wheaton Collection of International Law, given by William V. Kellen, of the class of 1872, in honor of Henry Wheaton, of the class of 1802. To all the books except the first two collections the students have free access.

The reading room contains the most important reference books; the books reserved by the departments for class use; the Select Library, a special collection of five hundred volumes of attractive reading; and the latest numbers of the standard periodicals, American and foreign. In this room also are the Loan Desk, where books are charged and returned, and the desk of the reference librarian, whose duty is to advise and assist students in their use of the books.

The library funds amount to over eighty thousand dollars. Of this sum ten thousand dollars constitutes the Gammell Fund, for the purchase of books relating to the history of the United States; ten thousand dollars, the Olney Fund, for the purchase of plants and botanical books; ten thousand dollars, the Diman Memorial Fund, for the purchase of books on mediæval and modern history; and ten thousand dollars, the Banigan Fund, for the purchase

of books on mediaeval and church history. The remainder includes several smaller special funds and the Library Fund proper.

The following persons are entitled to the use of the Library without expense: the members of the Corporation and Faculty; other college officers; Graduates residing in the State of Rhode Island; donors to the funds of the University to the amount of five hundred dollars, residing in the state of Rhode Island; Graduate and Undergraduate students; and also other persons on whom the Corporation or the Library Committee may from time to time confer the privilege.

The Library is open during term time from 9 a.m. to 11 p.m. on week days, and from 2 to 11 p.m. on Sundays; during vacations from 10 a.m. to 4 p.m. on week days.

### THE JOHN CARTER BROWN LIBRARY

The John Carter Brown Library, given to the University by the Trustees under the provisions of the will of the late John Nicholas Brown, of the class of 1885, is a collection of fifteen thousand volumes relating to the history of North and South America during the colonial period. The larger part of the books, many of which are of great rarity and value, were printed before the year 1800 and contain the earliest published accounts of events connected with the history of the discovery, exploration, and colonization of the Western Hemisphere. This collection, well known for many years as the most valuable private library of Americana in existence, was begun by John Carter Brown, of the class of 1816, and after his death was greatly enlarged by his widow and by his sons, the late John Nicholas and Harold Brown. The John Carter Brown Library occupies a building erected for it at the southeastern corner of the middle campus. It is open daily from 9 a.m. until 5 p.m., and the books may be consulted by all properly qualified students or investigators, upon application to the Librarian. In the main hall of the building there are a number of cases in which are exhibited rare books, engravings, and manuscripts belonging to the collection.

### DEPARTMENT LIBRARIES

#### THE GERMANIC DEPARTMENT LIBRARY

The Germanic Department Library is contained in two rooms in Sayles Hall. It was purchased in Germany by the late Professor Alonzo Williams in the name of the principal donor, the Hon. Hezekiah Conant. The library now comprises over six thousand carefully selected volumes, including editions of all the important writers of German literature; a large collection of Germanic philology; the leading German literary and philological periodicals; many works upon German history, the history of German literature, and German law, art, palaeography, and geography. The library is especially rich in works of the Middle High German period, and in Goethe and Schiller literature. It possesses many works of art which illustrate the subjects taught,—bronzes,

framed engravings, and volumes of plates. The rooms are open from 9.20 a.m. to 12.30 p.m., from 2 to 6 p.m., and from 8 to 9.30 p.m.

#### THE CLASSICAL DEPARTMENT LIBRARY

The Classical Department Library is contained in the room in Sayles Hall occupied by the Albert Harkness Classical Seminary, named in honor of its founder, Professor Albert Harkness. It consists of fifteen hundred volumes, purchased with funds contributed by friends of the University interested in classical studies, and contains the most important collections of Greek and Roman authors, besides commentaries, reference books, and similar aids. The seminary is made the center for advanced study and research in the classical languages and literatures. Though primarily intended for Graduate students, the seminary is open to such Undergraduates as are qualified to profit by its advantages. The room is open from 9.20 a.m. to 10 p.m.

#### THE ROMANCE DEPARTMENT LIBRARY

The Romance Department Library is a collection of a thousand volumes for the use of advanced students in the Romance languages. It is contained in a room in Sayles Hall. This room is open daily.

#### THE BIBLICAL DEPARTMENT LIBRARY

The Biblical Department Library is kept in Sayles Hall, room 3. It consists of a reference collection of one thousand volumes, including a valuable collection of Semitic books presented by Mr. Jacob Shartenberg of Pawtucket. A number of Semitic, Biblical, and general religious journals are kept on file. The room is open from 9.20 a.m. to 12 m., from 2 to 5 p.m., and from 7 to 9 p.m., except Wednesday and Saturday afternoons and Friday evenings.

#### THE ANATOMICAL DEPARTMENT LIBRARY

The Anatomical Department Library is contained in the rooms of the department of Comparative Anatomy in Rhode Island Hall. It is a collection of about twenty-two hundred volumes and fifteen hundred pamphlets, to which additions are constantly made. More than fifty current periodicals bearing upon the work of the department are regularly received. The rooms are open from 9.20 a.m. to 4 p.m.

#### THE EDUCATIONAL DEPARTMENT LIBRARY

The Educational Department Library is contained in the seminary room of the department, in the Administration Building. The library contains over one thousand volumes, chiefly text-books of recent publication. The room is open to all students interested in education, and to teachers and friends of education in the city and state.

#### THE ECONOMICS DEPARTMENT LIBRARY

The Library of the Department of Economics is situated in Sayles Hall. It contains about five thousand volumes, to which additions are constantly made, and it receives regularly about one hundred and twenty-five periodicals and

papers bearing upon the work of the department. The rooms are open from 8 a.m. to 10 p.m.

#### THE WOMEN'S COLLEGE LIBRARY

The Women's College Library and Reading Room occupy two rooms in Pembroke Hall. The library comprises about two thousand volumes of standard literature, chosen with special regard to the courses offered, thus forming for students of the Women's College a convenient and valuable adjunct to the University Library.

#### OTHER DEPARTMENT LIBRARIES

Most of the other departments of the University have special collections of books for seminary and advanced laboratory work. The most important of these belong to the departments of Astronomy, Botany, Chemistry, Engineering, English, Geology, Mathematics, Philosophy, and Physics.

#### OTHER PROVIDENCE LIBRARIES

There are also practically at the service of the students of the University the six collections of books named below. These comprise, with the University Library, about four hundred and fifty thousand volumes, exclusive of pamphlets and manuscripts.

#### THE PROVIDENCE PUBLIC LIBRARY

The Providence Public Library welcomes all students of Brown University, upon the same conditions as other residents of the city, to the use of its carefully selected collection, which comprises more than one hundred and twenty-three thousand volumes. It is situated at the corner of Washington and Greene streets. It includes various special collections and departments. Its principal rooms are open regularly from 10 a.m. to 9 p.m.; on Sundays and legal holidays from 2 to 9 p.m. Among its special departments may be mentioned the Harris Collection on Slavery and the Civil War; the Educational Study-room; the "Standard Library" of best literature; and the Reference Department. About six hundred periodicals, serials, and annuals (of which about two hundred and seventy are the best known weeklies, monthlies and quarterlies) are currently received. The library staff will be glad to be consulted with respect to books relating to any of the departments of University study, and to prepare lists of references in connection with any of the special topics under consideration.

#### THE LIBRARY OF THE PROVIDENCE ATHENAEUM

The Library of the Providence Athenaeum is a collection of general literature, numbering sixty-eight thousand volumes. The reading room receives upwards of two hundred papers and magazines, including New York, Boston, and Providence daily papers, and American, English, German, French, and Italian weeklies, magazines, and reviews. In bound sets of periodicals and in books on art this library is especially rich. Professors or teachers, non-residents of the city, may become annual subscribers on the payment of four dollars in



advance, and any student of Brown University whose family does not reside in the city, or who may obtain the privilege from the Board of Directors, may become a subscriber for three months on the payment of one dollar. The annual subscription for residents is seven dollars and a half. The Athenaeum is open during the college year from 9 a.m. to 10 p.m. on week days.

#### THE LIBRARY OF THE RHODE ISLAND HISTORICAL SOCIETY

The Library of the Rhode Island Historical Society is situated on Waterman Street, next door to the University Library Building. The Library of the Society comprises twenty thousand bound volumes and forty thousand valuable unbound volumes and pamphlets. Through the courtesy of the Society the collection is made accessible, free of charge, to members of the University. It offers special facilities for thorough research not only in all subjects relating to the history of Rhode Island, but also in genealogy, local history, and general American history. Its library has recently been enriched by a special bequest of books on the English and American drama, and by a collection of works on early American travels and ethnology. The Library is open from 9 a.m. to 4 p.m. on week days.

#### THE LIBRARY OF THE RHODE ISLAND MEDICAL SOCIETY

The Library of the Rhode Island Medical Society is kept in the Providence Public Library Building, on Washington Street. It comprises twenty-two thousand volumes and numerous pamphlets upon medical science, including biology, physiology, physiological psychology, hygiene, and other subjects the study of which is pursued in the University. About one hundred and seventy-five medical periodicals are currently received. Arrangements are easily made whereby any student can without cost enjoy the privileges here offered. This collection is open daily from 10 a.m. to 6 p.m.

#### THE STATE LAW LIBRARY

The State Law Library, a collection of twenty-nine thousand volumes, may be consulted in the Providence County Court House, at the corner of Benefit and College streets, between the hours of 9 a.m. and 5 p.m. on week days, excepting on Saturdays, when it closes at 3 p.m. It is accessible to all students, and for certain lines of University study is invaluable. University students are requested to introduce themselves to the librarian on their first visit to this library.

#### THE STATE LIBRARY

The State Library, located in the State House, is accessible to the public from 9 a.m. to 5 p.m.; on Saturdays from 9 a.m. to 12 m. This library contains a large collection of official documents of the United States and of the several states, a complete collection of the United States Patent Office Specifications, and general works pertaining to history and political science.

## LABORATORIES

## THE LADD ASTRONOMICAL OBSERVATORY

The Ladd Astronomical Observatory is equipped with a Saegmuller-Brashear equatorial of twelve inches aperture, which is supplied with a filar micrometer, spectroscope, and other attachments; two transit instruments, which can be used as zenith telescopes; a chronograph; three astronomical clocks; several sextants and chronometers; recording meteorological apparatus; and various minor instruments. The equipment is available for illustrating the general courses in astronomy and for practical use in the applied courses.

The Observatory furnishes constant time-signals to the Fire Department of the City of Providence, and to the Rhode Island Electric Protective Company, which distributes them to its patrons. Routine observations for determining clock errors, and for pressure, temperature, humidity, and precipitation are made throughout the year. Special observations are also made as opportunity offers.

## THE PHYSICAL LABORATORY

The Physical Laboratory, in which the courses offered by the Department of Physics are conducted, is in Wilson Hall, which was specially designed and constructed for this purpose. Twelve special laboratory rooms are available for experimental study. Brick piers support instruments requiring great steadiness, and the magnetic rooms are as free as possible from the influence of iron and from other disturbances. Several rooms on the ground floor are devoted to a laboratory for electrical engineering. The Laboratory is supplied with apparatus both experimental and demonstrative, and additions are made as necessity requires. The department is in possession of a large assortment of historical and other photographs, lantern slides, and cage models illustrating the propositions in pure and applied physics.

## THE CHEMICAL LABORATORIES

The Chemical Laboratories are in Rogers Hall, which was erected expressly for the Department of Chemistry. The inorganic laboratory is supplied with tables and lockers furnishing accommodations for about two hundred and fifty students working by detachments. The organic laboratory is fitted with tables for about fifty students. Each table has arrangements for gas, high-pressure water-supply, etc. The library of the department is here.

## THE GEOLOGICAL LABORATORIES

The Geological Laboratories are in the basement of Sayles Hall and include laboratories of general geology, geography, and mineralogy. The geographical laboratory is furnished with tables for twelve students and type-maps and models. The mineralogical laboratory is equipped with tables and apparatus for determinative blowpipe analysis of minerals, and a high-grade petrographic microscope for microscopic analysis of rocks and minerals, together with a detailed series of illustrative specimens. The region in which the Uni-

versity is situated offers in a small compass both simple and complex problems in field research in structural, palaeontological and stratigraphic geology. The library of the department contains full sets of Government and State geological reports, together with general reference works and current periodicals.

#### THE ANATOMICAL LABORATORIES

The Anatomical Laboratories are in Rhode Island Hall. They consist of private rooms for the instructors, a laboratory for Graduate students, a seminary room, a physiological laboratory, a laboratory for bacteriology and histology, a laboratory for neurology and embryology, and a large laboratory for elementary anatomy and the comparative anatomy of vertebrates and invertebrates. The large collection of zoölogical material, the anatomical and histological preparations of the Museum, the anatomical collection of the Rhode Island Medical Society, and rich material frequently contributed by the United States Fish Commission from the deep-sea dredging excursions, are always accessible to the students. Abundant living material is also readily available, since the laboratory is situated near the salt water and within a few miles of a floating laboratory located on Narragansett Bay.

#### THE BOTANICAL LABORATORIES

The Botanical Laboratories are in the basement of Maxcy Hall. The larger is used for the elementary courses, and the smaller for advanced work. They are equipped with the necessary simple and compound microscopes, paraffin baths, microtomes, freezing apparatus, incubator, sterilizer, chemicals, stains, reagents, etc., and a considerable amount of plant material preserved in alcohol, formalin, and other fluids, as well as dried. The Herbarium, in an adjoining room, is accessible to advanced students in forestry, and medicinal and systematic botany. Many reference books are kept in the laboratories and Herbarium, in addition to the principal collection in the University Library.

#### THE PSYCHOLOGICAL LABORATORY

The Psychological Laboratory occupies rooms in Wilson Hall. It possesses apparatus for the study of sensations, the determination of discriminative sensibility, the measurement of the duration of mental processes, the detection of physiological accompaniments of changes in consciousness, the study of temperament, and other fields of research. This equipment is adapted for the illustration and demonstration of the main results of experimental work in psychology, and offers good facilities for carrying out the aim of the department—to make contributions to knowledge on this subject by original research.

#### THE MECHANICAL ENGINEERING LABORATORIES

The Mechanical Engineering Laboratories, library, and drafting room are situated in the Engineering Building. The laboratories are equipped with apparatus for the work of the courses in strength of materials, steam, gas, and hydraulic engineering, and metallography. They contain a 400,000-pound

and a 50,000-pound Riehle testing machine; a machine for testing full-sized timber and steel beams; a 50,000-inch-pound Olsen torsion testing machine; a machine for testing by repeated stresses; a Riehle cement testing machine; a cross-compound condensing Corliss engine; various smaller engines, gas and gasoline engines, steam pumps, air compressor, injectors, and the necessary apparatus for testing them; a rotary fire pump, Venturi meters, weirs, and measuring tanks; apparatus for investigating the nature and structure of alloys; besides a photographic dark room and the usual small apparatus necessary to the work of the laboratories.

#### THE MECHANICAL ENGINEERING SHOPS

The Mechanical Engineering Shops, situated in Rogers Hall, are equipped for purposes of instruction. The wood-working shop is provided with large and small lathes, circular and band saws, a buzz-planer, benches, and bench tools. The metal-working shop is provided with engine lathes, hand lathes, a planer, a shaper, milling machines, large and small vertical drills, a universal grinder, a surface grinder, a cutter and reamer grinder, a drill grinder, a power hack saw, and a small foot-press. There are also a blacksmith's outfit for forming and dressing tools, and facilities for hardening and tempering. Power is furnished by two 10-horse-power electric motors.

#### THE MECHANICAL DRAWING ROOMS

The Mechanical Drawing Rooms are on the top floor of the Engineering Building. These rooms accommodate two hundred and fifty students. About two hundred and twenty-five valuable models in wood and metal have been collected; many of these are mechanical in nature and are extensively used in the courses. The department possesses a dark room, exposure frame, and washing tank, for preparing and developing blue-prints. Connected with the main drawing room is a library and reading room in which may be found books relating to drawing and allied subjects. A limited number of sets of drawing instruments have been provided for the use of deserving students who would otherwise be unable to pursue courses in drawing.

#### THE CIVIL ENGINEERING DRAFTING ROOMS

The Civil Engineering Drafting Rooms, library, instrument room, and offices are located on the second floor of the Engineering Building. The drafting rooms have desks for about sixty students. The instrument room contains a complete equipment of transits, theodolites, wye-levels, dumpy levels, hand levels, plane tables, compasses, base-line apparatus, planimeters, tapes, leveling rods, telemeter rods, range poles, etc., for the field work in surveying and railroad engineering. For the work in structural engineering the department has a collection of over four hundred photographs, five hundred large blue-prints of bridges, buildings, roof trusses, etc., and a complete set of steel structural shapes and iron beam-hangers. The department has also a collection of the various rocks used as road material, a Bausch and Lomb petrographical microscope, a set of the rail sections of the American Society

of Civil Engineers, and models of railway appliances and harbor improvements.

## MUSEUMS

### THE MUSEUMS OF ZOÖLOGY AND ANTHROPOLOGY

The Museums of Zoölogy and Anthropology are in Rhode Island Hall, and are open to the public daily. Students desiring to use the collections for the purpose of study or investigation receive every encouragement, the aim being to make the museums not mere exhibition rooms, but places for work. The zoölogical and anatomical collections of the University form the Jenks Zoölogical Museum. The Museum of Anthropology contains a collection of articles of dress and implements from foreign countries, and a valuable collection of stone implements of aboriginal American races, including those of Rhode Island.

### THE HERBARIUM

The Herbarium is in the basement of Maxey Hall. The general collection is roughly estimated to contain upwards of seventy-five thousand specimens from all parts of the world, but mainly from America. The Cryptogams occupy ten cases and the seed-plants thirty. All of these are mounted and systematically arranged according to Engler and Prantl's *Natürliche Pflanzenfamilien*. There are also several cases of unmounted specimens and duplicates. The genus *Carex* is particularly well represented, as it was the object of much special study by Col. S. T. Olney, the founder of the Herbarium.

### THE MUSEUM OF FINE ARTS

The Museum of Fine Arts occupies the first floor of Manning Hall. It contains plaster casts of rare excellence, chiefly from works of classical sculpture, which are of great value in illustrating ancient history, biography, and art. Through the bequest of the late George W. Harris, Esq., of Boston, the museum has recently been greatly enriched by the accession of pictures by old masters of the Italian and North European schools, of works in marble, and of works in china, glass, bronze, and silver.

The portraits, of which the University possesses a large number of valuable specimens, are mostly hung in Sayles Memorial Hall. The collection receives accessions every year. It now includes portraits of the University's principal benefactors, of many of its former officers, and of other distinguished persons, Americans and foreigners, the history of Rhode Island being especially well represented.

## EXTENSION TEACHING

THE University offers Extension Courses which are open to all, but are designed to be of especial interest to teachers. The courses are given at the University, and each consists of ten lectures. While the courses offered are not identical with the regular courses given in the University, they are equivalent in the general character and amount of the work required. Those who desire to obtain for any course a certificate or University credit towards a degree should announce their intention not later than the third lecture of the course. For such students special work will be assigned and a final examination will be held. The credit allowed for each Extension course is one-half of a regular three-hour course for one term. Those who wish to register should apply to Professor Walter Ballou Jacobs, Secretary of the Committee on Extension Teaching, Administration Building, Brown University. The application should give the full name and address of the applicant, the course or courses in which registration is desired, and, if the applicant is a teacher, the present educational position. The fee for each course is three dollars, payable in advance. There is an additional fee of one dollar for those who wish to be examined for a certificate or for University credit. This fee must be paid before the time of the examination. No course is given unless applied for by twenty-five persons.

The courses during the first half of the year 1906-7 are:

*English.* Victorian Poets. *Professor* CROSBY. (*English* 21—*E* 1.)

*French.* French Drama. *Professor* LANGDON. (*French* 23—*E* 1.)

*German.* Goethe's *Faust* as an Exponent of Life. *Professor* VON KLENZE. (*German* X—*E* 1.)

*History.* The Beginnings of English Colonization in America. *Professor* MACDONALD. (*History* 17—*E* 1.)

## ARRANGEMENTS WITH OTHER INSTITUTIONS

### THE RHODE ISLAND SCHOOL OF DESIGN

THE Rhode Island School of Design, which was incorporated in 1877 and opened in Providence in 1878, is an institution of large and increasing importance for the education of artisans and artists in the principles and processes of art, and for the general advancement of education in art by the exhibition of works of art and art studies, and by lectures on art. Its school buildings and museum are near the University grounds, and its collections are open daily to the public. Through its exhibitions there is opened to students an important means of culture.

The Corporation and Faculty of Brown University have agreed with the authorities of the Rhode Island School of Design upon a plan of coöperation in accordance with which certain courses at this School will be open to students of Brown University and will be counted towards a University degree. A description of these courses and a statement of the conditions under which they may be elected will be found in the list of studies given under the Department of Art, on page 71. Students from the Rhode Island School of Design are admitted to any classes in Brown University for which they are found to be prepared, and Brown University gives certain special courses for the benefit of classes from the Rhode Island School of Design.

### THE AMERICAN SCHOOL OF CLASSICAL STUDIES AT ATHENS

In 1902 a number of the friends of the University, in recognition of the sixtieth anniversary of the graduation of Professor Harkness, one of the founders of the School, united in contributing the sum of \$5,555, which was paid to the Treasurer of the American School of Classical Studies at Athens to establish a fund to be known forever as "The Albert Harkness Fund for the Benefit of Brown University." The privilege of free tuition in the School at Athens for all adequately prepared graduates of Brown University is henceforth secured by the establishment of this Fund. Any who desire detailed information regarding the School may obtain it by applying to Professor William Carey Poland, a former Director of the School, and now a member of the Managing Committee.

### THE NEWTON THEOLOGICAL INSTITUTION

The Newton Theological Institution has entered into an agreement with Brown University whereby certain work done in the University, for which a mark of C has been awarded, or upon which the student passes an examination satisfactory to the Newton Faculty, will be credited toward graduation in the Theological course as follows: *Biblical Literature and History* 1, 2 (132 hours); 13, 14 (112 hours); 7-12 (108 hours); *English* 7 (36 hours); in all, 388 hours.

The total number of prescribed hours in the Theological course at the Newton Theological Institution is 1,620.

#### THE SCHOOL COMMITTEE OF THE CITY OF PROVIDENCE

The School Committee of the City of Providence, by a special agreement, appoints a number of students as teachers in the Providence High Schools. Appointments are made from members of the Senior class who have pursued undergraduate courses in Education. These student-teachers are of two types. Those of the first type—of whom there are at least six (three of each sex)—are occupied in the schools each day for somewhat more than half the usual school session. They receive a salary of four hundred dollars a year from the city. Those of the second type are allowed to teach and observe about five hours a week. They have considerably more freedom in the choice of subjects and of hours than those of the first type; they receive no remuneration from the city. An unusual opportunity is thus afforded students to gain at the same time a knowledge of the theory of education and experience in the art of teaching. In making appointments to places as teachers of the lowest grade in the Providence High Schools, preference is given to those who have successfully completed this course of training as student-teachers. In this respect student-teachers of the second type have the same status before the committee that makes appointments as those of the first type. The practice-teaching in the Providence High Schools is done under the following supervising teachers: Charles E. Dennis, Ph.D., Latin; Charles E. Tilley, A.M., Physics and Chemistry; Horace E. Jacobs, A.M., Latin and Mathematics; Florence J. Whiting, A.M., Physics and Mathematics; Harriet P. Fuller, A.M., Latin; M. Catherine Mahy, A.M., English; Agnes F. Williams, A.B., French; Lester B. Shippee, A.M., History and Civics.

In a similar way a number of students are appointed to places in the Providence Grammar Schools. They receive a salary of three hundred dollars a year from the city. A limited number of Seniors and Graduates who are pursuing courses in Education are allowed to observe and teach in the Grammar Schools of the city in a way similar to that provided for student-teachers of the second type in High Schools. The practice-teaching in the Providence Grammar Schools is done under the following supervising teachers: Isaac O. Winslow, A.M., Grammar Grades; Mary Williams, Eighth Grade; and the Grammar Critics of the Providence Public Schools.



# PROVISIONS FOR THE PERSONAL WELFARE OF THE STUDENTS

## PHYSICAL TRAINING

FOR the physical training of the students excellent opportunities are offered by the Lyman Gymnasium. It is thoroughly equipped with baths, dressing rooms, bowling alleys, and all kinds of apparatus usually found in modern gymnasiums. It has also a swimming pool—the Colgate Hoyt Swimming Pool—seventy-five feet in length by twenty-five feet in width, with a capacity of seventy-five thousand gallons. The pool is made of enameled brick and marble, and is supplied with a filter to ensure the clearness and purity of the water. All the gymnasium work is under the care of the Professor of Physical Training, who makes a thorough examination and measurement of each student on entrance, and at other times during the year by request. Special cases are referred to Dr. G. A. Matteson, the University Physician. Such exercises are prescribed as may be necessary to give health, strength, and symmetrical development. No student is allowed to attempt any feat which is likely to result in injury. From the close of the Thanksgiving recess to the end of the second term, all first and second year students are required to attend gymnasium exercises three times a week. For other members of the University voluntary classes are provided. The instructor gives five-minute talks on personal hygiene and exercise. The class work consists of setting-up exercises, developing exercises, calisthenics, the use of clubs, dumb-bells, wands, and single sticks, and general athletics. Instruction is also given in wrestling, boxing, and swimming. A special effort is made to teach all students to swim. In all the work, the aim is to develop health, strength, and vitality.

All branches of athletics are under the management of the Brown University Athletic Association and are controlled by a Board of Undergraduates. The Faculty Committee on Athletic and Other Student Organizations has general oversight of the deportment and scholarship of the members of the various teams. Lincoln Field adjoins the gymnasium and is a convenient place of exercise for the class teams and the students in general. Andrews Field, which is a mile and a half from the University, offers the usual opportunities for all the University teams.

## MEDICAL CARE

Any student suffering from illness is expected at once to visit or summon the University Physician, Dr. George A. Matteson. When called to see students, the duty of the University Physician is to make one call for diagnosis

and prescription at the expense of the University. For continued attendance, students will make their own arrangements with Dr. Matteson or some other physician.

The University owns two free beds in the Rhode Island Hospital, to the occupancy of which the President of the University has the right of appointment. The first of these, THE CHARLES SMITH BRADLEY FREE BED, was established in 1872 by a payment to the hospital of four thousand dollars by the late Judge Bradley, a member of the Board of Fellows, thereby endowing a free bed "under the control of the President of Brown University for the time being, for the benefit of any officer or student of that institution who may have occasion for it." The second, THE GEORGE IDE CHACE FREE BED, was established by a payment to the hospital of a like sum by the late Professor George Ide Chace; this foundation gives to the President of the University "the right to nominate and send to said hospital a patient, being a proper subject for treatment in said hospital, according to the rules of the institution to occupy a bed in said hospital, and to receive the usual care, and medical, surgical, and other attendance, and medicines and board, free of charge."

## CHAPEL SERVICES

A chapel service is held in Sayles Hall every week day at 9 a.m. At the same hour the Women's College has a chapel service in Pembroke Hall. The President usually conducts the exercises in Sayles Hall, and the Dean of the Women's College, the exercises in Pembroke Hall. Attendance is required of Undergraduates.

During the winter a series of vesper services is held in Sayles Hall on Wednesday afternoons at five o'clock, open both to students and to the public. The preachers last year were as follows:

REV. AUGUSTUS P. RECCORD, *Pastor of the Church of the Unity, Springfield, Mass.*

REV. WILLIAM T. MANNING, *Rector of St. Agnes' Chapel, Trinity Parish, New York City*

REV. WILLIAM J. TUCKER, *President of Dartmouth College, Hanover, N. H.*

REV. ALEXANDER MANN, *Rector of Trinity Church, Boston, Mass.*

REV. HENRY VAN DYKE, *Murray Professor of English Literature, Princeton University*

REV. LYMAN ABBOTT, *Editor of the Outlook, New York City*

REV. GEORGE H. FERRIS, *Pastor of the First Baptist Church, Philadelphia, Penn.*

REV. WILLIAM H. P. FAUNCE, *President of Brown University*

## THE BROWN UNION

The Brown Union is an organization intended to promote the social and religious life of the University. Its membership is open to students, alumni, and members of the Faculty. It occupies Rockefeller Hall, which was built especially for its use. The immediate direction of the Union is vested in a Board of Management consisting of the President of the Union and four members appointed by the Corporation. The building provides ample accommodations for the Brown University Young Men's Christian Association, which conducts voluntary Bible classes for students and maintains an employment bureau and supports philanthropic work in the city. Rooms are also provided for other religious, literary, and social organizations of the students.

## STUDENT ADVISERS

Every member of the Freshman class is assigned to some member of the Faculty who serves throughout the year as a special counselor to that student. In the assignment of students to advisers the preferences of both are consulted when practicable. The system is designed to further personal intercourse between student and instructor, and to afford the student means of obtaining at any time unofficial advice on any matter connected with his college life.

## DORMITORY ACCOMMODATIONS

IN the University dormitories there are in all one hundred and forty-six single rooms and thirty-four suites. The rooms in Hope College, University Hall, Slater Hall, and the College Street House are rented unfurnished. Those in Maxcy Hall and Caswell Hall contain all necessary furniture, occupants providing nothing except bed-clothes and towels. A table showing the rent and location of the dormitory rooms is given in the Appendix. The prices there given include rent, heat, and service for the college year. In the College Street House lighting is also included; in Slater Hall, University Hall, Hope College, Maxcy Hall, and Caswell Hall, there are meters for each room and the occupants are charged for the amount used each term.

Each student renting a room must sign a contract therefor in the form given below, on which surety may be demanded, binding him to pay or cause to be paid the rent of the room through the entire year. Where two students rent a room together, each must sign a contract for half the room expenses. This obligation is not impaired by the student's removal from the University, whatever the cause of such removal.

*The following is a contract between Brown University, party of the first part, and the undersigned, party of the second part. I hereby engage room*

No. \_\_\_\_\_ in \_\_\_\_\_; the same not to be occupied by any other person without consent of the party of the first part, and I bind myself to pay or cause to be paid to the Registrar of Brown University the entire rent, including heat and service, amounting to \$ \_\_\_\_\_ for the college year beginning September, 190 .

It is a part of this agreement that I shall be held responsible for all damage or defacement of such room or its furniture, ordinary wear excepted; also that disuse of the room by me on account of illness, or in case registration is refused me owing to low standing or bad conduct, does not impair the obligation of this contract.

Signed \_\_\_\_\_

This \_\_\_\_\_ day of \_\_\_\_\_

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Not more than two students are allowed regularly to occupy a room or suite. When the University holds full contracts for a room, the tenant or tenants may admit to the regular use of the room in the daytime one or two students, but not more than two. The names of any such sub-tenants must be reported to the Registrar as soon as the arrangement for sub-tenancy is made. For each sub-tenant the University makes an extra charge of one dollar a term for service. This sum is paid to the University by the tenant in chief if there is but one; if there are two, each pays half.

Students who desire to retain for the coming year the rooms now rented by them may do so by signing new contracts and filing them with the Registrar before 4 p.m. on May 10, 1907. All rooms not signed for on the above date will be disposed of at a drawing on May 24 at 4.30 p.m. Men intending to enter college can arrange to be represented at the drawing by notifying the Registrar.

## UNIVERSITY FEES

### FEES FOR UNDERGRADUATES

**T**UITION: \$35 a term; \$105 a year.

*Incidentals*: \$16 a term; \$48 a year.

*Matriculation fee*: (Freshman year only) \$5.

*Graduation fee*: (Senior year only) \$8.

The incidental expenses are for the printing of programs, examination papers, and the like, the use of the library and the gymnasium, heat for these buildings and for the dormitories and recitation rooms, and the wages of servants to care for them.

Special students who are taking courses amounting to less than fifteen hours a week pay in proportion to the actual amount taken.

Students leaving college before the middle of a term, unless for misconduct or failure in scholarship, pay in tuition, incidentals, and laboratory fees

(exclusive of breakage, which is charged at cost) half the usual term dues, provided prompt notice of withdrawal is sent to the Registrar. Students leaving college on account of misconduct or failure in scholarship receive no reduction.

Candidates for a first degree, who do not pay four years' full tuition fees, are charged a special fee of \$25 at graduation.

### FEES FOR RESIDENT GRADUATE STUDENTS

*Tuition:* \$50 a term; \$150 a year.

*Graduation fee:* for the degree of Master of Arts, \$15.

*Graduation fee:* for the degree of Master of Science, \$15.

*Graduation fee:* for the degree of Doctor of Philosophy, \$25.

Students taking the second degree, who have received credit toward that degree for work done as Undergraduates, and therefore pay less than full graduate tuition for one year, are charged an additional fee of \$25.

Graduate students who are taking courses amounting to less than fifteen hours a week pay in proportion to the actual amount taken.

A candidate in residence for the degree of Master of Arts or Master of Science who has paid full tuition for one year may, if necessary to the attainment of his degree, continue his studies for one year more without additional charge.

A candidate in residence for the degree of Master of Arts, who without remitting his studies becomes a candidate for the degree of Doctor of Philosophy, is credited with whatever tuition he has already paid, in case his previous work is allowed to count toward the higher degree.

A candidate for the degree of Doctor of Philosophy who has paid full tuition for two years may, if necessary to the attainment of his degree, continue his studies for two years more without additional charge.

### FEES FOR NON-RESIDENT GRADUATE STUDENTS

*Registration fee:* \$25.

*Tuition:* \$10 a term; \$30 a year.

*Examination fee:* \$15.

A non-resident candidate is entitled, upon payment of the above fees, to pursue one three-hour course at the University. For each additional course a proportional fee is charged.

A non-resident candidate who has paid tuition for two years may, if necessary to the attainment of his degree, continue his studies for one year more without additional charge, except for work taken at the University.

### LABORATORY FEES

In addition to the regular fees given above, the following fees are charged for laboratory courses. These fees cover the cost of ordinary supplies. Special supplies and breakage are charged extra.

<i>Chemistry 1, 2, 3</i>	\$ 3.00 a term
<i>Chemistry, advanced 3-hour course</i>	5.00 a term
<i>Chemistry, advanced 6-hour course</i>	10.00 a term
<i>Botany, each 3-hour course</i>	3.00 a term
<i>Comparative Anatomy, each 3-hour course</i>	5.00 a term
<i>Physics, each 3-hour course</i>	5.00 a term
<i>Mechanical Engineering, each 3-hour course</i>	5.00 a term
<i>Electrical Engineering, each 3-hour course</i>	5.00 a term
<i>Geology, each 3-hour course</i>	3.00 a term

### GUARANTEE AND TERM BILLS

At the time of admission every student is required to present a guarantee signed by his parent or guardian or some other responsible person, covering all college expenses. A student who pays his full term bill at the time of registration, and also his full annual room rent at the beginning of the year, is exempted from furnishing the guarantee.

Bills are sent out as soon as possible after the beginning of each term and are due on presentation.

## ESTIMATE OF ANNUAL EXPENSES

THE following is an approximate estimate of the annual expenses of a student who occupies (with a room-mate) a dormitory room. It does not include outlay for clothes and traveling or other strictly personal expenses.

	<i>Moderate</i>	<i>Liberal</i>
<i>Tuition</i>	\$105.00	\$105.00
<i>Incidentals</i>	48.00	48.00
<i>Room rent, including heat and service</i>	60.00	187.50
<i>Board (40 weeks)</i>	150.00	240.00
<i>Books and laboratory expenses</i>	30.00	75.00
<i>Total</i>	\$393.00	\$655.50

*Matriculation fee (first year), \$5.*

*Graduation fee (fourth year), \$8.*

Board is not furnished by the University; but the BROWN UNIVERSITY CO-OPERATIVE REFECTORY, organized and controlled by students, furnishes its shareholders with board at cost. At present the price is \$3.50 a week.

Students who need to earn money find in the city numerous opportunities for doing so by giving private instruction, by teaching in evening schools, and by other occupations.

## FINANCIAL AID TO STUDENTS

THE aid which Brown University gives to students of limited means is granted under three conditions: (1) the recipient must be a candidate for a degree, having been fully admitted to the Freshman class or to advanced standing; (2) the recipient must be of good moral character and maintain a creditable standing in his studies; the aid is withdrawn if the student is placed under college discipline or fails to maintain good scholarship; an average of C is expected; (3) the recipient must be in need of the financial assistance rendered. The aid rendered is of three kinds: (1) Loans; (2) Awards from fellowship, scholarship, and aid funds; (3) Payment in cash or in credit on term bills for services rendered.

The administration of the scholarship and aid funds is in the hands of a committee of the Faculty, annually appointed by the Corporation for that purpose. The Dean of the University is the executive of the committee. Applications for scholarships for a given academic year should be filed with the Dean before May 1 of the preceding year. Action upon all applications is taken by the committee before July 1. The President has charge of the administration of fellowships, loan funds, and the service system.

### [A] LOAN FUNDS

I. The Alumni Loan Fund, now amounting to about \$4,300, was established by the Alumni Association at the Commencement of 1900 by a vote transferring to the Treasurer of the University the fund formerly known as the Brown Loyalty Fund, to be used as a loan fund for students. The principal of this fund is loaned at interest, to be repaid as agreed upon in each instance.

II. There is another fund, of several hundred dollars, which is loaned in small amounts without interest, for short periods, to students unexpectedly needing temporary assistance.

### [B] FELLOWSHIP, SCHOLARSHIP, AND AID FUNDS

#### THE GRAND ARMY OF THE REPUBLIC FELLOWSHIP

The income of a fund of ten thousand dollars given by the Grand Army of the Republic, Department of Rhode Island, is annually awarded to a graduate of Brown University, of acknowledged excellence in scholarship and character. The recipient must be enrolled as a candidate for the degree of Doctor of Philosophy (or have obtained that degree), must reside at Brown University, and must devote himself exclusively to advanced liberal study. Holders of the fellowship are appointed by the President of the University, subject to the approval of the Board of Fellows. Appointments to the fellow-

ship are regularly made for one year, but incumbents of special diligence or ability may be reappointed. Descendants of Union Veterans of the Civil War are always to be preferred when the other qualifications of candidates are equal. The political or religious preferences of candidates cannot be taken into consideration. The President is authorized to make such other conditions, not inconsistent with the above, as he may from time to time deem wise and proper. Applications for this fellowship must be made in writing on blanks furnished by the Dean of the Graduate Department, and must be in the hands of the President not later than May 15. The Grand Army of the Republic Fellow for 1906-7 is

PHILIP BARDWELL HADLEY, PH.B.

### TEACHING FELLOWSHIPS

In addition to the foregoing, a number of Teaching Fellowships have been established, information regarding which will be furnished by the President.

### FUNDED SCHOLARSHIPS

There are now seventy-six scholarships of one thousand dollars, each with a designated name and yielding the beneficiary forty-five dollars annually; with the exceptions indicated, they bear the names of their founders. The income is awarded annually according to the conditions attaching to each fund.

#### THE ELEVEN NICHOLAS BROWN SCHOLARSHIPS

#### THE FOUR UNIVERSITY SCHOLARSHIPS

#### THE PRESIDENT'S SCHOLARSHIP

founded by President Sears.

#### THE SIX ALVA WOODS SCHOLARSHIPS

#### THE JAMES H. DUNCAN SCHOLARSHIP

#### THE ISAAC DAVIS SCHOLARSHIP

#### THE ARNOLD WHIPPLE SCHOLARSHIP

founded by Mrs. Arnold Whipple.

#### THE EPHRAIM WHEATON SCHOLARSHIP

founded by James Wheaton.

#### THE JOSEPH BROWN SCHOLARSHIP

founded by Mrs. E. B. Rogers.

#### THE GARDNER COLBY SCHOLARSHIP

#### THE CROCKER SCHOLARSHIP

founded by Robert H. Ives and Thomas P. Ives, Trustees.

#### THE CLARK SCHOLARSHIP

also founded by the Messrs. Ives.



THE GEORGE K. AND H. A. PEVEAR SCHOLARSHIP

THE JOSEPH CHARLES HARTSHORN SCHOLARSHIP

THE ROGERS HIGH SCHOOL SCHOLARSHIP

founded by William Sanford Rogers.

THE JAMES WHEATON SCHOLARSHIP

THE CHARLES THURBER SCHOLARSHIP

THE PARDON MILLER SCHOLARSHIP

founded by Mrs. Ann E. Miller.

THE HEZEKIAH S. CHASE SCHOLARSHIP

THE WILLIAM BUCKNELL SCHOLARSHIP

THE AUSTIN MERRICK SCHOLARSHIP

founded by Mrs. Olive E. Merrick.

THE HORATIO N. SLATER SCHOLARSHIP

THE EARL P. MASON SCHOLARSHIP

THE NEWPORT SCHOLARSHIP

founded by William Sanford Rogers.

THE ALEXIS CASWELL SCHOLARSHIP

THE THREE HENRY JACKSON SCHOLARSHIPS

THE MUMFORD SCHOLARSHIP

founded by Mrs. Louisa D. Mumford.

THE ALBERT DAY SCHOLARSHIP

THE HENRY P. KENT SCHOLARSHIP

THE ROMEO ELTON SCHOLARSHIP

THE FIVE ANNIE E. WATERS SCHOLARSHIPS

THE LEWIS FAIRBROTHER SCHOLARSHIP

founded by Mrs. Lewis Fairbrother.

THE GEORGE LAWTON SCHOLARSHIP

THE JOHN P. CROZER SCHOLARSHIP

founded by Mrs. Margaret Bucknell.

THE JAMES Y. SMITH SCHOLARSHIP

THE TWO S. S. BRADFORD SCHOLARSHIPS

THE FRANCIS R. ARNOLD SCHOLARSHIP

THE CORNELIA E. GREEN SCHOLARSHIP

## THE HENRY CLIFFORD KNIGHT SCHOLARSHIP

founded by Miss Amelia S. Knight, in memory of her brother, a member of the class of 1875.

## THE THURSTON SCHOLARSHIP

founded by the Hon. Benjamin F. Thurston, LL.D., of the class of 1849.

## THE RUFUS BABCOCK SCHOLARSHIP

founded by Mrs. Caroline Vassar Babcock Jones, in memory of her father, the Rev. Rufus Babcock, D.D., of the class of 1821.

## THE JAMES FLETCHER BLACKINTON SCHOLARSHIP

founded by Mrs. Mary D. Blackinton, in honor of her husband, James Fletcher Blackinton, of the class of 1847.

## THE FIVE WILLIAM A. WHITE SCHOLARSHIPS

founded by Mrs. Abby S. A. White, in honor of her husband, William A. White, of the class of 1857.

## THE RICHARDS SCHOLARSHIP

founded by the Rev. William Coolidge Richards, of the class of 1837.

## THE SAMUEL WHITE DUNCAN SCHOLARSHIP

founded by Mrs. Mary Duncan Harris.

## THE BENJAMIN HUTCHINSON JUDAH SCHOLARSHIP

## THE S. DRYDEN PHELPS SCHOLARSHIP

founded by the Rev. S. Dryden Phelps, D.D., of the class of 1844, the income to be given each year to some student who is preparing for the Baptist ministry.

*There are also the following scholarships of larger amounts:*

## THE TWO GEORGE J. SHERMAN SCHOLARSHIPS

paid from a fund of two thousand five hundred and sixty-five dollars.

## THE BARTLETT SCHOLARSHIP

of four thousand dollars, founded by Mrs. Elizabeth Slater Bartlett; the income to be "devoted to the support of one or more students needing pecuniary aid, and giving promise, by studious aim and by character and scholarship, of rising to distinction and usefulness."

## THE GLOVER SCHOLARSHIP

of five thousand dollars, founded by Henry R. Glover, "in memory of his father, Samuel Glover, of the class of 1808, and of his brother, Samuel Glover, Jr., of the class of 1839."

## THE REBECCA A. WHEELER SCHOLARSHIP

of fifteen hundred and seventy-one dollars; the income to assist some worthy student, preferably a candidate for the Baptist ministry.

**THE SCHOLARSHIP OF THE CLASS OF 1838**

of thirty-eight hundred dollars.

**THE JOSEPH CHARLES HARTSHORN SCHOLARSHIP**

of two thousand dollars.

**THE TWO BANIGAN SCHOLARSHIPS**

of three thousand dollars each, founded by Joseph Banigan of Providence; the income as far as necessary to be used each year to defray the tuition of two students of the University.

**THE GEORGE IDE CHACE SCHOLARSHIP**

of five thousand dollars, founded by Professor George Ide Chace, the income to be assigned each year by the Faculty to some member of the Senior class needing the money, who shows "marked ability, exemplary industry, generous aspirations, and irreproachable character." If in the Senior class there chances to be no person fulfilling the requirements of this scholarship, the proceeds of the scholarship for that year must, under the proper direction, be appropriated to the purchase of books for the library of the University.

**THE ABBY WHEATON CHACE SCHOLARSHIP**

of four thousand dollars, also founded by Professor George Ide Chace; the income to be assigned yearly by the Faculty to some member of the Junior class needing the money, who shows "marked ability, exemplary industry, generous aspirations, and irreproachable character." If in the Junior class there chances to be no person fulfilling the requirements of this scholarship, the proceeds of the scholarship for that year must, under the proper direction, be appropriated to the purchase of books for the library of the University.

**THE JOHN L. LINCOLN SCHOLARSHIP**

of twenty-five hundred dollars, founded by Abby G. Beckwith.

**THE TRUMAN BECKWITH SCHOLARSHIP**

of twenty-five hundred dollars, founded by Abby G. Beckwith.

**THE THAYER SCHOLARSHIP**

founded by Edward C. Thayer, in honor of his father, Joseph Thayer, of the class of 1815, the income to be for the education of any young man or woman a resident of Uxbridge, Mass., endorsed by the selectmen and superintendent of schools there, needing pecuniary aid and giving promise by character and scholarship of a life of usefulness. If there is no applicant from Uxbridge, the income may go to any applicant from Massachusetts who fulfils the conditions.

**THE TWO WALTER G. WEBSTER SCHOLARSHIPS**

founded by the Rev. Walter G. Webster, of the class of 1878; the income

to go each year to two young men, members of the Freshman class, holding the full diploma of the Classical High School of the city of Providence and duly matriculated for the degree of Bachelor of Arts; "the nomination to rest with the Principal of said school, and to be made on the basis of character and scholarship, due regard being had to the need of such assistance."

#### THE S. W. MARSTON SCHOLARSHIP

founded in the name of his father by Mr. Edgar L. Marston of New York. This scholarship yields two hundred dollars a year, and is open to any graduate of William Jewell College who may be recommended by the President of that institution.

#### THE THREE E. L. MARSTON SCHOLARSHIPS

founded by Mr. Edgar L. Marston of New York. Each of these scholarships yields two hundred dollars a year. The first scholarship is open to any graduate of La Grange College who may be recommended by the President of that institution. The second is open to any graduate of Baylor University under similar conditions. The third is open to any graduate of the Central High School in St. Louis, Mo., subject to the recommendation of the Principal.

*The following scholarships have been in part established:*

#### THE TWO GEORGE HALE BACON MEMORIAL SCHOLARSHIPS

paying each recipient one hundred and fifty dollars a year, founded by George A. Bacon in the name of his father. The awards are to be made only to young men in need of assistance and to be given solely on grounds of scholarship and personal character, no other consideration to receive any weight whatever.

#### AID FUNDS

##### THE AARON LUCIUS ORDWAY MEMORIAL FUND

of twenty-five hundred dollars, founded by Mr. Samuel H. Ordway of New York in the name of his father, "the income to be used in the discretion of the President to assist regular students of the University who are in need of assistance. Each student who accepts such assistance shall in writing acknowledge the receipt of the same and pledge himself to repay the amount so received by him as soon as he can conveniently afford to do so, all sums so repaid to be added to the principal."

There are two other aid funds, the income of which is divided into scholarships of varying amounts, which are awarded under the general conditions applicable to all scholarships. They are:

##### THE AID FUND

established by friends of the University in 1868, and now amounting to \$9,300.

##### THE DANIEL W. LYMAN FUND FOR STUDENTS

established by Daniel W. Lyman, and now amounting to \$72,250.

### UNIVERSITY SCHOLARSHIPS

In addition to the income of the Scholarship and Aid Funds, the Advisory and Executive Committee of the Corporation appropriates each year a large sum of money from the Common Fund of the University for the assistance of students. The amount at present exceeds \$15,000, and is used for establishing University Scholarships, which are of three grades:

(1) A small number yielding each \$50 a term or \$150 a year, awarded to a few Juniors and Seniors of especially high scholarship.

(2) A number yielding each \$35 a term or \$105 a year.

(3) A number yielding each \$20 a term or \$60 a year, used in part to supplement the smaller endowed scholarships, and also for those students needing relatively less assistance.

The University Scholarships are taken directly from the University treasury and employ funds which would otherwise be available for other college purposes. It is expected, therefore, that the holders of them will regard them as in a certain sense a loan, and will at some subsequent time after graduation return to the treasury the amount awarded to be used for the increase of the permanent scholarship funds, or that they will in some other way contribute to the endowment of the University.

### [C.] SERVICE

The University is able to give employment to a number of students as monitors, assistants in the libraries and laboratories, members of the choir, and clerks in the Registrar's office. Not more than two hours a day are ordinarily required of any student; the compensation is made at definite rates. At present about \$6,000 a year is appropriated for service, and employment is given to about eighty students, who receive amounts varying from \$20 to \$40 a term. The University also coöperates with the Young Men's Christian Association in efforts to secure employment for students by business houses and residents of the city.

## PREMIUMS, PRIZES, AND HONORS†

### FOR EXCELLENCE IN PREPARATORY STUDIES

#### THE PRESIDENT'S PREMIUMS

The President's Premiums, derived from the income of a fund presented to the University in 1843 by President Wayland, are awarded each year to those

† The following premiums and prizes are intended for men. The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered in Brown University. In case any woman is entitled to a first premium a prize is awarded by the Dean of the Women's College.

members of the Freshman class who upon special examination are found to have attained the highest excellence in the studies required for admission to the University in Greek, Latin, and French. First and Second Premiums are awarded in each of these studies. The examinations for the Premiums deal with the general principles and laws of the languages involved rather than with irregularities and exceptions. Special importance is attached to the pupil's familiarity with the subject-matter of the works read, and to his ability to translate with accuracy and facility into clear, appropriate, and idiomatic English. The examination in Greek occurs on the second Saturday of the first term, that in Latin on the third Wednesday, and that in French on the fourth Wednesday. The award of these Premiums in 1906 was as follows:

*In Greek, the First Premium to HAROLD LESLIE WHEELER, instructed in the Classical High School, Providence.*

*A collateral First Premium for an examination of equal merit to FLORA MARIE RAUSCH, instructed in the Classical High School, Providence.*

*The Second Premium to STEPHEN DAVID PADDOCK, instructed in the Classical High School, Providence.*

*In Latin, the First Premium to FRANK LEFOREST MANSUR, instructed in the High School, Haverhill, Massachusetts.*

*A collateral First Premium for an examination of equal merit to MILDRED CORINNE WILLIAMS, instructed in the Classical High School, Providence.*

*The Second Premium to HAROLD LESLIE WHEELER, instructed in the Classical High School, Providence.*

*A collateral Second Premium for an examination of equal merit to BERNICE ESTELLE SEARS, instructed in the Classical High School, Providence.*

*In French, the First Premium to HOWARD ALFRED TABER, instructed in the Hope Street High School, Providence.*

*A collateral First Premium for an examination of equal merit to FLORA MARIE RAUSCH, instructed in the Classical High School, Providence.*

*The Second Premium to MAXWELL BARUS, instructed in Milton Academy, Milton, Massachusetts.*

*Honorable mention to WARREN CLIFFORD JOHNSON, instructed in Worcester Academy, Worcester, Massachusetts.*

#### THE HARTSHORN PREMIUMS

The Hartshorn Premiums, three in number, derived from the income of a fund of one thousand dollars, presented to the University in 1872 by Joseph Charles Hartshorn, of the class of 1841, are awarded to those members of the Freshmen class who upon examination are found to excel in the mathematical studies required for admission. The examination occurs on the third Saturday of the first term. The award of these premiums in 1906 was as follows:

*The First Premium to WILLIAM BOLSTER PIERCE, instructed in Phillips Exeter Academy, Exeter, New Hampshire.*

*The Second Premium to HOWARD ALFRED TAHER, instructed in the Hope Street High School, Providence.*

*The Third Premium to PAUL SIMPSON, instructed in the High and Putnam School, Newburyport, Massachusetts.*

## FOR EXCELLENCE IN UNIVERSITY STUDIES

### THE CARPENTER PRIZES FOR ELOCUTION

The Carpenter Prizes for Elocution, derived from the income of a fund established in 1867 by Thomas Carpenter, are awarded annually to the three members of the Sophomore class to whom are assigned, respectively, the first, the second, and the third rank of excellence in elocution. The selections declaimed may be either prose or verse. They must be approved by the Professor of Public Speaking, with whom competitors must enter their names not later than the first day of February. A preliminary contest for the purpose of selecting the speakers takes place in the latter part of the winter term; all arrangements for it are in the hands of the Professor of Public Speaking. The committee of award consists of five members, — the Professor of Public Speaking, who is the chairman, two persons selected by the Corporation, and two persons selected by the Sophomore class during the first term of the year; no one who is or has been a member of the class is eligible. The contest for 1907 will be held in Manning Hall on May 7. In 1906 these prizes were awarded as follows:

*The First Prize to FRANK FENNER MASON*

*The Second Prize to HENRY GARFIELD CLARK*

*The Third Prize to FRANCIS MAURICE ANDERSON*

### THE HICKS PRIZES FOR EXCELLENCE IN DEBATE

The Hicks Prizes for Excellence in Debate, established by the Honorable Ratcliffe Hicks, of the class of 1864, are annually awarded as follows:

I. Two prizes of fifty dollars each, one in each of the two series of contests for the selection of the representatives of the University in the intercollegiate debates. In each instance the prize is given to the man showing the greatest ability both in the preliminary trials and in the final trial. In awarding the prize, regard is given to thought, style, and delivery. The judges are three, appointed by the Debating Union. In 1905-6 these prizes were awarded to

HARRY DUANE BRUCE

GEORGE HURLEY

II. A first prize of thirty dollars and two second prizes of twenty dollars to the students showing the greatest ability in a public debate between the representatives of the Junior and Sophomore classes. Each class is represented by

three men, whom a committee appointed by the President of the University chooses from the preliminary contestants at least a month before the public debate. This committee also determines the subject and makes the necessary arrangements. The judges in the public debate are three, one appointed by the President, and one by each group of competitors. The prizes are awarded irrespective of the decision upon the debate as a whole. The first prize may be withheld if no one is adjudged to deserve it. In making the award, regard is given to thought, style, and delivery. In 1907 the public debate will be held on May 21. In 1906 prizes were awarded as follows:

*The First Prize to* RALPH PHILIP BOAS

*The Second Prize to* BENJAMIN GRAVES SINCLAIR

#### THE DUNN PREMIUM

The income of a fund of one thousand dollars, presented to the University in 1872 by pupils and friends of Professor Robinson Potter Dunn, is given, at the end of the Junior year, to the student having the highest standing in the courses in rhetoric, English composition, and public speaking. In making the award, regard is given to the number of such courses taken as well as to the rank attained in them. In 1906 this premium was awarded to

LEON EDGAR TRUESDELL

#### THE CARPENTER PREMIUMS

The Carpenter Premiums, two in number, are derived from the income of funds established in 1867, one by Thomas Carpenter and one by Lydia Carpenter. They are assigned at the end of the Senior year to the two members of the Senior class who, "already on scholarships, shall, in the judgment of the Faculty, unite in the highest degree the three most important elements of success in life, — ability, character, and attainment." In 1906 these premiums were awarded to

HORACE EDWARD CHANDLER

ALLEN WILBUR MANCHESTER

#### THE HOWELL PREMIUM

The income of a fund amounting to one thousand dollars, presented to the University in 1867 by Gamaliel Lyman Dwight, is given at the close of the second term of the Senior year to the student who, "having a good record of deportment, has the highest rank in Mathematics and Natural Philosophy." To be considered a candidate for the Premium a student must, each term from the Freshman year to the end of the second term in the Senior year, take at least one of the elective courses in Pure or Applied Mathematics. In 1906 this premium was awarded to

HORACE EDWARD CHANDLER

#### THE CLASS OF 1873 PRIZE

A fund of one thousand dollars, completed in 1898, has been presented to the



University by the class of 1873, on the condition that its income shall be used as a prize for an essay. The prize is annually offered for competition to members of the Senior class, the subject assigned being of a historical nature one year and of a philosophical nature the next. The subjects are assigned by the respective departments. For 1905-6 the subject was: "The History of the Boundaries of Rhode Island." For 1906-7 there has been assigned a philosophical subject: "The Distinction between Sciences of Fact and Sciences of Value." In 1906 the prize was awarded to

JOSEPH LEWIS WHEELER

#### THE FOSTER PREMIUM IN GREEK

The Foster Premium in Greek is derived from the income of a fund of three thousand dollars bequeathed to the University in 1880 by the Honorable Lafayette Sabine Foster, LL.D., of the class of 1828. In accordance with the terms of the donor's will, the income of this fund is to be "annually paid to that scholar of the institution who passes the best examination in the Greek language, the examination to be made in the first, third, and twenty-fourth books of Homer's *Iliad*, or in the *Oration on the Crown* by Demosthenes." The next examination, open to the members of the Senior class, will be held early in May, 1907; candidates will be examined in the *Iliad*. In 1906 this premium was awarded to

EDGAR SHEFFIELD BRIGHTMAN

A collateral premium was awarded in equal parts to

BESSIE LENORE ADAMS and HOPE DAVIS

#### THE LUCIUS LYON PREMIUMS IN LATIN

The Lucius Lyon Premiums in Latin are derived from the income of a fund of five thousand dollars presented to the University in 1893 by Mrs. Caroline L. Lyon, in memory of her husband, Lucius Lyon, of the class of 1844. Five-tenths of the income each year forms the first premium, three-tenths the second, and two-tenths the third. Any part of the income not needed in any given year must be added to the fund. The premiums are awarded as the result of a special examination held during the last term of the Senior year. The examination may relate to any or all of the following subjects: the Latin language, Roman literature, Roman history. The President of the University and the head of the Latin department prescribe the conditions for admission to the examination. In 1906 the first premium was awarded to

WILLIAM THOMAS PEARSON

The second premium was awarded to

GEORGE AUGUSTINE HINES

The third premium was awarded to

PRESTON SUMNER MOULTON

**THE BENNETT PRIZE**

The income of a fund of four hundred dollars, established by Philo S. Bennett in 1903, will be awarded annually for an essay on Free Government. The conditions governing the competition will be announced later.

**THE CLASS OF 1880 PRIZES**

The Class of 1880 Prizes, established in 1905 by the Class of 1880, are annually awarded to the Undergraduates of Brown University who show the most ability in presenting arguments on some current question of importance to Brown University. The subject for discussion, the time, and the manner of presentation are all determined by representatives of the English department in consultation with the President of the Debating Union and the editors-in-chief of the *Brunonian* and the *Brown Daily Herald*. The prizes are awarded by a board of five judges: two are appointed by the President of the University, two by the Undergraduate members of the committee in charge; the fifth is a member of the English department.

In 1907 a first prize of forty dollars and a second prize of thirty dollars will be awarded to the students who show the most ability in a public discussion of the topic chosen. This discussion will be held on February 7. A prize of thirty dollars will be awarded to the writer of the best argumentative essay of from three thousand to five thousand words upon the same subject. The essays must be typewritten and signed with an assumed name; they must be in the hands of the Registrar before 4 p.m., January 24. The prize for the essay may be withheld if no essay is deemed worthy, or may be divided between the first and second competitors. A student may compete for both prizes. For 1907 the subject chosen is: "Should the Engineering degrees at Brown University be made advanced degrees, to be obtained only by candidates who have taken the degree of Bachelor of Arts or Bachelor of Philosophy?" In 1906 the first prize for the debate was awarded to

ALLEN WILBUR MANCHESTER

The second prize for the debate was awarded to

CLAUDE RAYMOND BRANCH

The prize for the essay was awarded to

LEON EDGAR TRUESDELL

**THE MOHONK PRIZES**

For 1906-7 Governor George H. Utter offers three prizes, to be known as the Mohonk Prizes. They are:

A prize of thirty dollars for an essay of from three to five thousand words upon the subject, "The applicability of international arbitration to the Russo-Japanese differences of 1904." A first prize of forty dollars and a second prize of thirty dollars to be awarded upon a debate on the same topic.

The competition is open to members of the Senior and Junior classes. A

student may compete for both prizes. The essays must be typewritten and signed with an assumed name; they must be handed to the Registrar on or before April 9, 1907. The trial debate will occur on April 16, 1907; the final debate on April 23, 1907. In 1906 the subject was "Arbitration as a practicable method for the adjustment of international controversies." The prize for the essay was awarded to

HARRY HADLEY THURLOW

The first prize for the debate was awarded to

HARRY DUANE BRUCE

The second prize for the debate was awarded to

OSCAR MADDAUS

#### SOCIETY OF COLONIAL DAMES PRIZE IN AMERICAN HISTORY

The income of a fund of fifteen hundred dollars, known as THE ROGER WILLIAMS FUND ESTABLISHED BY THE NATIONAL SOCIETY OF COLONIAL DAMES IN THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, given to the University in 1906, is awarded annually as a prize for the best essay on a subject in American colonial history. The competition is open to Juniors, Seniors, and Graduates, and to men and women on equal terms. Essays must show independent use of authorities, and should, in general, extend to at least four thousand words. Detailed regulations governing the competition are announced from year to year, and the name of the successful competitor is announced at Commencement. The subject for the essay in 1906-7 is: "The part taken by the New England clergy after 1760 in bringing on the American Revolution."

#### THE WILLIAM GASTON SCHOLARSHIP

This fund of five thousand dollars was established in 1899 by the widow and children of the Honorable William Gaston, LL.D., of the class of 1840. Its income is awarded annually by the Faculty solely upon merit, without reference to financial condition. For 1906-7 this scholarship has been awarded to

ZECHARIAH CHAFFEE, JR.

#### THE GASTON PRIZE MEDAL FOR EXCELLENCE IN ORATORY

From the income of a fund of three thousand dollars established in 1894 as a memorial to the Honorable William Gaston, LL.D., of the class of 1840, a gold medal is annually awarded to the member of the graduating class who delivers the best original oration in English. The orations are not to exceed fifteen hundred words. In order to compete for the prize a student must deposit with the Registrar a typewritten copy of his oration, signed with an assumed name, six weeks before the public competition. From these orations a committee appointed by the President of the University selects not more than six for delivery. The committee of award in the final contest consists of

three members appointed by the President. In making the award regard is given to thought, style, and delivery. The winner of the medal is entitled to deliver an oration at Commencement. The competition in 1907 will be held on May 14. In 1906 this prize was awarded to

HARRIS MERRILL BARBOUR

#### APPOINTMENTS FOR COMMENCEMENT

At Commencement five members of the graduating class deliver original orations in English of not more than fifteen hundred words each. One speaker is the winner of the Gaston medal; the other four are selected by the Faculty from nominations by the heads of departments. The basis of selection is scholarship, ability to write, and ability to speak. The students thus appointed confer with the Professor of Rhetoric, who advises with them in regard to the choice and treatment of subjects, and with the Professor of Public Speaking, who trains them in the delivery of their orations. Before Commencement each speaker must hand to the Professor of Rhetoric a copy of his oration for preservation in the University Library. In 1906 the speakers appointed were:

HARRIS MERRILL BARBOUR

EDGAR SHEFFIELD BRIGHTMAN

HORACE EDWARD CHANDLER

HERBERT ELLSWORTH CORY

#### TERM HONORS

Term Honors in any department are awarded to those who receive the mark H in a given term.

#### FINAL HONORS

Final Honors in any department are awarded, at the completion of the studies leading to a bachelor's degree, to those who have secured: (1) Term Honors in the department in courses aggregating eighteen or more term hours; (2) a mark of C or H in eighty-five per cent. of all their courses of study. In any department, however, certain specified courses may not be included in those counted for Final Honors. The names of all students awarded Final Honors are printed in the Commencement Program and in the Annual Catalogue. In 1906 Final Honors were awarded to members of the Senior Class as follows:

FREDERICK STEERE BEATTIE, *Chemistry*.

CHARLES BARROWS BENNETT, *Comparative Anatomy*.

EDGAR SHEFFIELD BRIGHTMAN, *English Literature and Language, Germanic Languages and Literatures, Greek Literature and History, Philosophy*.

ALEXANDER MANLIUS BURGESS, *Comparative Anatomy, Chemistry*.

WALTER CLAYTON CARPENTER, *Germanic Languages and Literatures, Romance Languages and Literatures*.

HORACE EDWARD CHANDLER, *Civil Engineering, Mathematics, Physics*.

ALBERT WHITMAN CLAPLIN, *Chemistry, Comparative Anatomy, Romance Languages and Literatures*.

HOWARD WILBUR CONGDON, *Chemistry, Education, Physics*.

- MAURICE LOUIS DOLT, *Chemistry*.  
GEORGE FRANKLIN KRAUSE, *Germanic Languages and Literatures*.  
ALBERT JOHN LOEPSINGER, *Mechanical Engineering*.  
ALLEN WILBUR MANCHESTER, *English Literature and Language, Germanic Languages and Literatures, Philosophy*.  
PHILIP VICTOR MARCUS, *Philosophy, Social and Political Science*.  
PRESTON SUMNER MOULTON, *Roman Literature and History*.  
ELMER DOUGLAS NICKERSON, *English Literature and Language, Germanic Languages and Literatures, Romance Languages and Literatures*.  
ARTHUR TRUMAN STEERE PHETTEPLACE, *Philosophy*.  
GEORGE GERSHON SHOR, *English Literature and Language, Roman Literature and History*.  
LEESON OREN TARLETON, *Chemistry*.  
HOWARD MELVILLE TRACY, *Education*.  
WILLIAM GRANT WINSOR, JR., *Germanic Languages and Literatures, Romance Languages and Literatures*.  
WALTER EDGAR WOODBURY, *Germanic Languages and Literatures, Greek Literature and History, Philosophy*.  
BESSIE LENORE ADAMS, *Roman Literature and History, English Literature and Language, Germanic Languages and Literatures, Education*.  
EDITH AGNES BARR, *Germanic Languages and Literatures*.  
STELLA HATHAWAY BAYLIES, *Germanic Languages and Literatures*.  
WINIFRED FLORENCE CHASE, *Germanic Languages and Literatures, Botany, Education*.  
HOPE DAVIS, *Greek Literature and History, Mathematics, English Literature and Language*.  
ANNIE ELIZABETH McALISTER, *Greek Literature and History, Germanic Languages and Literatures, Botany, Education*.  
LINDA LAWTON HAIGHT, *Germanic Languages and Literatures*.  
IDA FRANCES HERRMANN, *History*.  
ELVA ELIZABETH PHILLIPS, *Germanic Languages and Literatures*.  
GEORGIE SMITH PECK, *Romance Languages and Literatures, Greek Literature and History, Germanic Languages and Literatures, English Literature and Language*.  
LAURA RICHARDS SHERMAN, *Greek Literature and History*.  
GRACE SUSAN STEVENS, *Germanic Languages and Literatures*.

# DEGREES CONFERRED IN 1906

## DEGREES IN COURSE

### BACHELOR OF ARTS

Harris Merrill Barbour	John William James
Albert Francis Bassford	George Franklin Krause
Reinhart William Berthold	Robert Lee Latimer
Edgar Sheffield Brightman	William LeRoy Lillie
Ray Brown	Leverett James Luce
Leslie Goddard Buck	Edwin Herbert Lyle
Alexander Manlius Burgess	Allen Wilbur Manchester
Francis Mercer Campbell	Paul Matteson
Charles Raymond Chappell	Ernest Ephraim Moore
John Maurice Clifford	Preston Sumner Moulton
Howard Wilbur Congdon	Lanning Myers
Jason Osborne Cook	Elmer Douglas Nickerson
George Bartlett Corcoran	Carl Nathaniel Nutter
Herbert Ellsworth Cory	John Howard O'Keefe
Hollis Brown Cubberly	William Thomas Pearson
Jared Williams Davis	Arthur Truman Steere Phetteplace
Louis Irving Dexter	Thomas Wendell Prestwich
Arthur Francis Driscoll	Leonard Augustus Prouty
John Morton Ferrier	Louis Rosen
Robert Franklin Field	William Henry Sewell
Arthur Leonard Flagg	George Gershon Shor
Alfred Wayland Fletcher	Harris Deming Stone
Lucian Deane Fuller	Walter Douglas Swaffield
Daniel Edward Geary	Charles Carpenter Tillinghast
William Read Hersey	Howard Melville Tracy
Prescott Tillinghast Hill	Edwin Raymond Walsh
George Augustine Hines	John Gormley Walsh
Henry Ramsden Hobson	Gene Wilder Ware
Charles Spencer Huff	Ralph Cahoon Whitenack
Homer Elijah Hunt	William Grant Winsor, Jr.

Walter Edgar Woodbury

Bessie Lenore Adams	Henrietta Celia Brazeau
Alice Appleton	Mary Agnes Doyle Brennan
Mable Corinne Ashworth	Cora Severy Burrill
Marion Chace Austin	Edith Elizabeth Chaffee
Edith Agnes Barr	Hope Davis

Bessie Ballard Grammont  
 Judith Barber Hopkins  
 Laura Frances Ingman  
 Mary LaDame  
 Florence May Leighton  
 Annie Elizabeth McAlister  
 Emma Elizabeth McKenna  
 Edith Arline Nichols

Georgie Smith Peck  
 Ethelwyn Chaffee Phillips  
 Elva Elizabeth Phillips  
 Lillian Hope Robinson  
 Laura Richards Sherman  
 Grace Mabel Sherwood  
 Alice Sundberg  
 Alice Carlotta Tillinghast

## BACHELOR OF PHILOSOPHY

Walter Herbert Angell  
 Frederick Eugene Banfield, Jr.  
 Frederick Steere Beattie  
 Sidney Raymond Bellows  
 Charles Barrows Bennett  
 Halbert Ambrose Bolt  
 Howard Wheaton Brayton  
 John Henry Breslin  
 Hall Anderson Brewer  
 Walter Albert Briggs  
 Aylsworth Brown  
 Raymond Gilbert Bugbee  
 William Wilder Burton  
 Haywood Murry Butler  
 Henry Godfrey Carpenter  
 Walter Clayton Carpenter  
 Peter Pineo Chase  
 Frank Hammett Childs  
 Albert Whitman Claflin  
 Gerald Arthur Cooper  
 Frederick Simms Cushing  
 Maurice Louis Dolt  
 Lester Leopold Falk  
 John Ferguson, Jr.  
 John Ellsworth Flemming  
 Arthur Garfield Fowler  
 Leon Stearns Gay  
 Phillips Standish Gilman  
 Alexander Graham  
 James Hamilton, Jr.  
 Joseph Leo Harson  
 Howard Raymond Heydon. *With*  
*the Class of 1905*

Vincent Charles Hoyer  
 Henry Greene Jackson  
 Charles Henry Jones, Jr.  
 William Arthur Kennedy  
 Harry Knowles  
 William Russell Lightbody  
 Benjamin Franklin Grosh Lindemuth  
 Frank David McIntyre  
 Philip Victor Marcus  
 John Perkins Mead  
 Frank Wilson Moody  
 Wesley Floyd Morse  
 Evan Bucklin Owen  
 Eliot Greer Parkhurst  
 Harry Ernest Pattee  
 Emery Moulton Porter  
 Rhys Powell  
 Clinton Alfred Pray  
 Florence John Harrington Price  
 Gustavus Adolphus Russ  
 Meyer Harold Sackett  
 Nathan Sackett  
 Charles Sawyer Shinn  
 Percy Shires  
 Axel Fabian Swanson  
 Everett Harold Swett  
 Leeson Oren Tarleton  
 Richard Dana Tucker  
 Lloyd Peter Upton  
 Philip Vermilye Van Arsdale  
 Edward Wilford Weikert  
 Elmer Orlando Weld. *With*  
*the Class of 1905*

Joseph Lewis Wheeler	Byron Whittemore
Albert Everett Whittaker	Arthur Llewellyn Wright
Stephen Edward Wright	

Helen Barrows Albro	Linda Lawton Haight
Stella Hathaway Baylies	Ida Frances Herrmann
Elizabeth Clark Butterworth	Grace Redford
Winifred Florence Chase	Florence Carrie Reynolds
Alleyne Clark	Grace Susan Stevens
Ursula Hope Devenish	Ethel Brown Thornton

## CIVIL ENGINEER

Chester LeRoy Hayward	Robert Alvin Marble
-----------------------	---------------------

## BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Horace Edward Chandler	Arthur Caswell King
Francis Ingraham Greene	Charles Douglas Mercer
Edward Everett Harkness, A.B.	Oscar William Rackle

## BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Theodore William Gordon	Albert John Loepsinger
Matthew Mark Sweeney	

## BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

George Edward Bailey	Edwin Ahira Kelley
Harry French Hatch	William Gould Slocum
Chester Wilson Smith	

## MASTER OF ARTS

Josephine Stedman Armstrong, A.B.	Susan Annie May, A.B.
Florence Butler Beitenman, Ph.B.	Norman Allen Moss, A.B.
Frank Henry Ehmke, A.B.	Harold Charles Newton, A.B.
Henry Englander, A.B.	John Howard O'Keefe
Charles Israel Gates, A.B.	Arthur Upton Pope, A.B.
Jesse Madison Gathany, Ph.B.	Thomas Edmund Burt Pope, Ph.B.
Clifford Moore Granger, A.B.	William Alfred Read, A.B.
Frederick Eugene Hawkins, A.B.	Louis Earl Rowe, Ph.B.
Louisa Roberts Holt, A.B.	Marion Lydia Shorey, Ph.B.
Robert Alice Horton, Ph.B.	Floy Lillian Thompson, Ph.B.
Grace June Jones, Ph.B.	Bessie Clarinda Verder, Sc.B.
Lulu Broadbent Joslin, A.B.	Chester Campbell Waters, A.B.
Minnie Catharine Mahy, A.M.	Cora Horton Whittaker, A.B.
Inez Kelley Whittemore, A.B.	



MASTER OF SCIENCE

Raymond Davis Cady, A.B.

Frances Hervey Smith, Ph.B.

DOCTOR OF PHILOSOPHY

Vahan Simon Babasinian, A.B., D.B., A.M.

THESIS : " A Study of the Methods of Preparation, and the Properties of  $\alpha$ -Phenyl-Naphthalene-Dinitro-Dicarboxylic Anhydride."

HONORARY DEGREES

MASTER OF ARTS

EVERETT COLBY

FRANK STOCKTON DOBBINS

GEORGE BLINN FRANCIS

DOCTOR OF DIVINITY

AUGUSTUS MENDON LORD

FRANKLIN GARRETT MCKEEVER

DOCTOR OF SCIENCE

WINSLOW UPTON

DOCTOR OF LAWS

CHARLES EVANS HUGHES

HENRY WATTERSON

HORACE WHITE

# STUDENTS

## GRADUATES

- Bessie Lenore Adams *Riverpoint*  
A.B. (*Brown University*) 1906. Education, English. Enrolled candidate for A.M.
- Alice Appleton *Providence*  
A.B. (*Brown University*) 1906. Latin. Registered candidate for A.M.
- Charles Raymond Austin *Providence*  
A.B. (*Brown University*) 1902; A.M. 1903. Latin, English, Greek. Registered candidate for Ph.D.
- James Albert Baber *Huntingdon, Tenn.*  
Sc.B. (*National Normal University*) 1885; A.B. 1887; A.M. 1889. Social and Political Science. Enrolled candidate for A.M. *in absentia*.
- William John Ballou *Hudson, N. H.*  
A.B. (*Brown University*) 1897. Social and Political Science. Enrolled candidate for A.M. *in absentia*.
- Frederick Eugene Banfield, Jr. *Newton Centre, Mass.*  
Ph.B. (*Brown University*) 1906. Physics, Mechanical Engineering. Registered candidate for Sc.M.
- Clare Reynolds Bass *Willimantic, Ct.*  
Ph.B. (*Brown University*) 1900. German, French. Enrolled candidate for A.M.
- Stella Hathaway Baylies *Fall River, Mass.*  
Ph.B. (*Brown University*) 1906. Education. Registered candidate for A.M.
- Frederick Steere Beattie *Central Falls*  
Ph.B. (*Brown University*) 1906. Chemistry, Comparative Anatomy. Enrolled candidate for A.M.
- Irving Judson Beckwith *Rochester, N. Y.*  
A.B. (*Brown University*) 1904. Social and Political Science, Biblical Literature. Enrolled candidate for A.M. *in absentia*.
- Charles Barrows Bennett *Providence*  
Ph.B. (*Brown University*) 1906. Comparative Anatomy, Bacteriology. Registered candidate for Ph.D.
- Marion Hamilton Bonn *Providence*  
Ph.B. (*Brown University*) 1905. Mathematics. Registered candidate for A.M.
- William Alva Brady *Narragansett Pier*  
Ph.B. (*Brown University*) 1894. History, Education. Registered candidate for A.M.
- Edgar Sheffield Brightman *East Greenwich*  
A.B. (*Brown University*) 1906. Philosophy, Greek. Registered candidate for A.M.
- Elsie Straffin Bronson *Providence*  
A.B. (*Brown University*) 1904; A.M. 1904. Greek, English.
- William Wilder Burton *North Bridgton, Me.*  
Ph.B. (*Brown University*) 1906. History, Education. Registered candidate for A.M. *in absentia*.
- Henry Godfrey Carpenter *East Providence*  
Ph.B. (*Brown University*) 1906. Education, History. Enrolled candidate for A.M.
- Winifred Florence Chase *Fall River, Mass.*  
Ph.B. (*Brown University*) 1906. Education. Registered candidate for A.M.

- George Everett Church** *Providence*  
A.B. (*Amherst College*) 1872 ; A.M. 1878. Political Science.
- Albert Whitman Claflin** *Providence*  
Ph.B. (*Brown University*) 1906. Chemistry. Enrolled candidate for Sc.M.
- Paul Franklin Clark** *Providence*  
Ph.B. (*Brown University*) 1904 ; A.M. 1905. Bacteriology, Comparative Anatomy. Registered candidate for Ph.D.
- Lillian Maud Coffin** *Johnston*  
A.B. (*Brown University*) 1904. Education, English, History. Registered candidate for A.M.
- Howard Wilbur Congdon** *Providence*  
A.B. (*Brown University*) 1906. Education, Physics. Enrolled candidate for A.M.
- Earle Bennett Cross** *Providence*  
A.B. (*Brown University*) 1905. Biblical Literature, Social and Political Science. Enrolled candidate for A.M.
- Edgar James Curry** *Hill's Grove*  
A.B. (*Ohio Wesleyan University*) 1901 ; D.B. (*Drew Theological Seminary*) 1904 ; A.M. (*New York University*) 1905. Philosophy, History. Registered candidate for Ph.D.
- Sumner Webster Cushing** *Brockton, Mass.*  
Sc.B. (*Harvard University*) 1903. Comparative Anatomy, Political and Social Science. Registered candidate for A.M.
- Charles Abbott Davis** *Providence*  
Sc.B. (*Worcester Polytechnic Institute*) 1891. Geology. Registered candidate for Sc.M.
- Walter William Deckard** *Arlington*  
A.B. and D.B. (*Hillsdale College*) 1899 ; Sc.B. (*Rio Grande College*) 1893. Political and Social Science, Philosophy. Registered candidate for Ph.D.
- Ursula Hope Devenish** *Providence*  
A.B. (*Brown University*) 1906. Education. Registered candidate for A.M.
- Maurice Louis Dolt** *Dollon (Larthe), France*  
Ph.B. (*Brown University*) 1906. Chemistry, Comparative Anatomy. Enrolled candidate for A.M.
- Dana Fletcher Downing** *West Newton, Mass.*  
A.B. (*Brown University*) 1900 ; M.D. (*Boston University*) 1904. Social Science. Enrolled candidate for A.M. *in absentia*.
- Olive Bowers Eddy** *Riverside*  
Ph.B. (*Brown University*) 1905. English, Botany. Registered candidate for A.M.
- Victor Emmanuel Emmel** *Sherwood, Oregon*  
Sc.B. (*Pacific University*) 1903 ; Sc.M. 1904. Comparative Anatomy, Philosophy. Enrolled candidate for Ph.D.
- Henry Englander** *Providence*  
A.B. (*Cincinnati University*) 1901 ; A.M. (*Brown University*) 1906. Biblical Literature. Registered candidate for Ph.D.
- Maude Farnum** *Providence*  
Ph.B. (*Brown University*) 1902 ; A.M. 1905. History. Registered candidate for Ph.D.
- John Morton Ferrier** *Providence*  
A.B. (*Brown University*) 1906. Philosophy, Biblical Literature, Romance Languages. Enrolled candidate for A.M.
- Robert Franklin Field** *Providence*  
A.B. (*Brown University*) 1906. Physics, Astronomy. Enrolled candidate for A.M.
- Victor Frazee** *East Greenwich*  
A.B. (*Dalhousie College*) 1889 ; A.M. (*Brown University*) 1902. Social Science.

- Bessie Ballard Grammont *Providence*  
A.B. (*Brown University*) 1906. Education. Registered candidate for A.M.
- Merritt Lodge Gregg *Mountain Dale, N. B.*  
A.B. (*Bates College*) 1906. Political and Social Science. Registered candidate for A.M.
- Philip Bardwell Hadley *Shelburne Falls, Mass.*  
Ph.B. (*Brown University*) 1903. Comparative Anatomy, Bacteriology. Enrolled Candidate for Ph.D.
- Gertrude Ella Hall *Albany, N. Y.*  
A.B. (*Cornell University*) 1897. German. Enrolled candidate for Ph.D.
- Joseph Leo Harson *Providence*  
Ph.B. (*Brown University*) 1906. Chemistry. Enrolled candidate for Sc.M.
- William Albion Hart *Hingham, Mass.*  
A.B. (*Brown University*) 1903. English, Education. Enrolled candidate for A.M. *in absentia*.
- Harry Worthington Hastings *Agawam, Mass.*  
A.B. (*Brown University*) 1904; A.M. (*Harvard University*) 1906. English.
- William Read Hersey *Providence*  
A.B. (*Brown University*) 1906. Romance Languages. Registered candidate for A.M.
- Frederick Charles Hicks *Newport*  
Ph.B. (*Colgate University*) 1898; LL.B. (*Georgetown Law School*) 1901. Political Science. Enrolled candidate for A.M. *in absentia*.
- Amasa Amidon Holden *Woonsocket*  
Sc.B. (*Massachusetts Institute of Technology*) 1899. Education, Political and Social Science. Registered candidate for A.M.
- Rufus Erasmus Holder *Louisville, Ky.*  
A.M. (*Bethel College*) 1896; D.M. (*Southern Baptist Theological Seminary*) 1901. Philosophy, Biblical Literature. Enrolled candidate for Ph.D.
- Charles Wesley Hunt *North Charlestown, N. H.*  
A.B. (*Brown University*) 1904. Political Science.
- Lulu Broadbent Joslin *Attleboro, Mass.*  
A.B. (*Brown University*) 1905; A.M. 1906. Physics.
- Leon Munn Kendall *Fairlee, Vt.*  
Ph.B. (*Brown University*) 1905. Education, Astronomy, Physics. Enrolled candidate for A.M.
- Frederick George Keyes *Rochester, N. Y.*  
Sc.B. (*Rhode Island College*) 1906. Chemistry, Comparative Anatomy. Enrolled candidate for Sc.M.
- Frank Edwin Lakey *Providence*  
A.B. (*Brown University*) 1894; A.M. 1900. Sociology. Registered candidate for Ph.D.
- Marie Louise Lavolette *Woonsocket*  
A.B. (*Brown University*) 1905. Education, German, French. Enrolled candidate for A.M.
- Russell Crosby Lowell *Providence*  
Sc.B. (*Brown University*) 1899. Education, Law, Physics. Enrolled candidate for A.M.
- Annie Elizabeth McAlister *Central Falls*  
A.B. (*Brown University*) 1906. Education, Latin, Botany. Enrolled candidate for A.M.
- James Bernard McFadden *Pawtucket*  
A.B. (*Bates College*) 1893. Social Science, Education. Enrolled candidate for A.M.
- Emma Elizabeth McKenna *Providence*  
A.B. (*Brown University*) 1906. Education. Registered candidate for A.M.

- George Rupert MacMinn** *Honesdale, Pa.*  
A.B. (*Brown University*) 1905. English, Social Science. Enrolled candidate for A.M.
- Minnie Catherine Mahy** *Providence*  
A.B. (*Brown University*) 1900; A.M. 1906; A.M. (*University of Nebraska*) 1901. English, Philosophy. Registered candidate for Ph.D.
- Philip Victor Marcus** *Providence*  
Ph.B. (*Brown University*) 1906. Social and Political Science. Enrolled candidate for A.M.
- Jacob Alexander Mattuck** *Worcester, Mass.*  
Ph.B. (*Brown University*) 1904; A.M. 1905. Sociology, Education. Registered candidate for Ph.D.
- Marion Midgley** *Arlington*  
Ph.B. (*Brown University*) 1905. English. Registered candidate for A.M.
- Francis Marion Mitchell** *Providence*  
A.B. (*Shurtleff College*) 1877. History, Philosophy. Registered candidate for A.M.
- Emily Gardner Munro** *Bristol*  
Ph.B. (*Brown University*) 1898. Sociology, English. Enrolled candidate for A.M. *in absentia*.
- Clarence Elnathan Norris** *Worcester, Mass.*  
A.B. (*Brown University*) 1900; A.M. 1902. German, English. Registered candidate for Ph.D.
- Carl Nathaniel Nutter** *Pittsfield, N. H.*  
A.B. (*Brown University*) 1906. Philosophy, Biblical Literature. Enrolled candidate for A.M.
- George Barrows Obear** *Lynn, Mass.*  
Sc.B. (*Massachusetts Institute of Technology*) 1903; Sc.M. (*Brown University*) 1905. Physics, Mathematics. Enrolled candidate for Ph.D.
- John Hector Palmer** *Elkhorn, Wis.*  
A.B. (*Brown University*) 1904. History, Philosophy. Registered candidate for A.M. *in absentia*.
- William Partridge, Jr.** *Central Falls*  
German, Chemistry. Enrolled candidate for A.M.
- Herbert John Piper** *Providence*  
A.B. (*Bates College*) 1890; D.B. 1900. English, Social Science. Registered candidate for A.M.
- Mary Florence Rafter** *Damariscotta, Me.*  
A.B. (*Brown University*) 1901. English, Latin. Registered candidate for A.M.
- Jared Harvey Randall** *Rangoon, Burma*  
A.B. (*Brown University*) 1897; A.M. 1900. History, English. Registered candidate for Ph.D.
- Louis Albert Reese** *New York, N. Y.*  
Ph.B. (*Ottawa University*) 1900; A.M. (*Brown University*) 1902. History, Economics. Enrolled candidate for Ph.D.
- Ernest Shaw Reynolds** *Providence*  
Chemistry, Botany, Geology. Enrolled candidate for A.M.
- Charles Edwin Robinson** *Newmarket, N. H.*  
A.B. (*Brown University*) 1905. German, English, French. Enrolled candidate for A.M.
- Marjorie Wadsworth Shaw** *Oak Lawn*  
A.B. (*Brown University*) 1904. English, Education, German. Enrolled candidate for A.M.
- Laura Richards Sherman** *Providence*  
A.B. (*Brown University*) 1906. Education. Registered candidate for A.M.

- Philip Darrell Sherman *Louisville, Ky.*  
A.B. (*Brown University*) 1902; A.M. 1903. English, German. Registered candidate for Ph.D.
- George Herbert Sherwood *New Rochelle, N. Y.*  
A.B. (*Brown University*) 1898; A.M. 1899. Comparative Anatomy, Physiology. Registered candidate for Ph.D.
- Charles Sawyer Shinn *Lakehurst, N. J.*  
Ph.B. (*Brown University*) 1906. Education, Social Science, History. Enrolled candidate for A.M.
- George Gershon Shor *Worcester, Mass.*  
A.B. (*Brown University*) 1906. Philosophy. Registered candidate for A.M.
- Benjamin Graves Sinclair *Johnson, Vt.*  
Political and Social Science, Philosophy, Art. Enrolled candidate for A.M.
- David Wilkinson Smith *Manville*  
Latin, Greek. Enrolled candidate for A.M.
- Francis Hervey Smith *Hillsboro Bridge, N. H.*  
Ph.B. (*Brown University*) 1905; Sc.M. 1906. Chemistry, Bacteriology. Registered candidate for Ph.D.
- Harry Hadley Thurlow *Buffalo, N. Y.*  
Political and Social Science, Economics, Philosophy. Enrolled candidate for A.M.
- Charles Edward Tilley *Providence*  
A.B. (*Amherst College*) 1892; A.M. 1895. Education.
- Edith Marian Tillinghast *Providence*  
Ph.B. (*Brown University*) 1904; A.M. 1905. Sociology.
- Henry Carroll Tracy *Lowell, Mass.*  
A.B. (*Dartmouth College*) 1902; A.M. (*Brown University*) 1905. Comparative Anatomy, Physiology, Organic Chemistry. Registered candidate for Ph.D.
- Leon Edgar Truesdell *Townshend, Vt.*  
Philosophy, English, Political and Social Science. Enrolled candidate for A.M.
- Frank Arthur Updyke *Delavan, Wis.*  
A.B. (*Brown University*) 1893; A.M. 1896. Political Science, History, Economics. Enrolled candidate for Ph.D.
- Lloyd Peter Upton *Manchester, N. H.*  
Ph.B. (*Brown University*) 1906. Comparative Anatomy, Philosophy, Chemistry. Registered candidate for Ph.D.
- Mary Drew Vaughan *Providence*  
Ph.B. (*Brown University*) 1897. Comparative Anatomy, Social and Political Science. Registered candidate for A.M.
- Alfred Owen Washburn *Royal Center, Ind.*  
A.B. (*Franklin College*) 1906. Philosophy, Political Science. Enrolled candidate for A.M.
- Chester Campbell Waters *Providence*  
A.B. (*Brown University*) 1905; A.M. 1906. Social and Political Science, Economics. Registered candidate for Ph.D.
- Henry Eugene Watters *Martin, Tenn.*  
Sc.B. (*Southern Normal University*) 1899; A.B. 1900; A.M. 1902. Education, Political and Social Science. Registered candidate for A.M. *in absentia*.
- Anne Tillinghast Weeden *Providence*  
A.B. (*Brown University*) 1894; A.M. 1898. German, History. Registered candidate for Ph.D.

- Joseph Lewis Wheeler *Providence*  
Ph.B. (*Brown University*) 1906. English, History, Social and Political Science. Enrolled candidate for A.M.
- Clara Whitehead *Providence*  
A.B. (*Brown University*) 1897. Education, Comparative Anatomy, English. Enrolled candidate for A.M.
- Ralph Cahoon Whitenack *Wilmington, Del.*  
A.B. (*Brown University*) 1906. Social and Political Science, Economics. Registered candidate for A.M.
- Cora Horton Whittaker *Rhoboth, Mass.*  
A.B. (*Brown University*) 1905; A.M. 1906. Latin. Registered candidate for Ph.D.
- Alice Wilson Wilcox *Providence*  
A.B. (*Vassar*) 1894. Comparative Anatomy, Physiology. Enrolled candidate for Ph.D.
- Isaac Oscar Winslow *Providence*  
A.M. (*Brown University*) 1881. Political and Social Science.
- Walter Edgar Woodbury *Nashua, N. H.*  
A.B. (*Brown University*) 1906. Philosophy, Social Science, French. Enrolled candidate for A.M.
- Stephen Edward Wright *Auburn*  
Ph.B. (*Brown University*) 1906. Education, Italian. Enrolled candidate for A.M.
- Arthur Lincoln Young *New London, N. H.*  
A.B. (*Brown University*) 1904. Education, Physics, Chemistry. Registered candidate for A.M. *in absentia*.

## SENIORS: CLASS OF 1907

NAME	RESIDENCE
Myron Hopkins Strong Affleck	<i>Yonkers, N. Y.</i>
Francis Maurice Anderson	<i>Albany, N. Y.</i>
Frederick Huntington Babcock	<i>Providence</i>
Frederick Eugene Banfield, Jr.	<i>Newton Centre, Mass.</i>
John Thomas Bannan	<i>Providence</i>
Leo Matthew Bannon	<i>Central Falls</i>
John Temple Barnicoat, Jr.	<i>Providence</i>
James Harvey Baugh	<i>Brownwood, Tex.</i>
Sidney Raymond Bellows, Ph.B.	<i>Shawomet Beach</i>
Joseph Boardman, Jr.	<i>Plymouth, N. H.</i>
Claude Raymond Branch	<i>Providence</i>
Edward Joseph Brennan	<i>Providence</i>
Asa Sheldon Briggs	<i>Ashaway</i>
William Edward Bright	<i>Scranton, Pa.</i>
Archibald Douglas Brown	<i>Providence</i>
Harold Learned Brown	<i>Sioux City, Ia.</i>
Arthur Garfield Bruce	<i>Gardner, Mass.</i>
Harry Duane Bruce	<i>Moretown, Vt.</i>
George Ambrose Buckley	<i>Brockton, Mass.</i>
George Earle Burnham	<i>Central Falls</i>
William Phineas Burnham	<i>Wells, N. Y.</i>

NAME	RESIDENCE
Arthur William Bushell	<i>Providence</i>
George Campbell	<i>Westminster, West, Vt.</i>
Eugene Clayton Carder	<i>Cambridge, Mass.</i>
Zechariah Chafee, Jr.	<i>Providence</i>
George Wilder Cheney	<i>Nashua, N. H.</i>
Henry Garfield Clark	<i>Shannock</i>
Harry Wright Collins	<i>Pawtucket</i>
Samuel Edward Compton	<i>Washington, D. C.</i>
Henry William Corp	<i>Providence</i>
Phanuel Bishop Covell	<i>Warren</i>
Robert Sylvester Curley	<i>Upton, Mass.</i>
John Leo Curran	<i>Providence</i>
Myron Shirley Curtis	<i>Pawtucket</i>
George Walker Davis	<i>Providence</i>
Ralph Norton Dennett	<i>North Adams, Mass.</i>
Eugene Bromley DeMeritt	<i>Exeter, N. H.</i>
William Obed Devoll, Jr.	<i>New Bedford, Mass.</i>
Alfred William Dickinson	<i>Somerville, Mass.</i>
Herbert Larned Dorrance	<i>Providence</i>
William Matthew Dugan	<i>Brinckerhoff, N. Y.</i>
Lloyd Champlin Eddy	<i>Providence</i>
Ralph Leroy Elrod	<i>St. Albans, Vt.</i>
John Silva Enos	<i>Providence</i>
Francis Ford	<i>Providence</i>
Charles Fowler, Jr.	<i>Galveston, Tex.</i>
Arthur Willis French	<i>Fall River, Mass.</i>
Horace Clemmer Funk	<i>Clayton, Pa.</i>
Dana Taylor Gallup	<i>Old Mystic, Ct.</i>
Edwin Ruthven Gordon	<i>East Providence</i>
Joseph Isaac Grover	<i>Providence</i>
Alfred Henry Gurney	<i>New London, Ct.</i>
Ralph Vincent Hadley	<i>Manchester, N. H.</i>
Arthur Valette Haight	<i>Poughkeepsie, N. Y.</i>
Henry Emmanuel Hallborg	<i>Newport</i>
James Hamilton	<i>Cambridge, Mass.</i>
Charles Mayo Hamlin	<i>Orono, Me.</i>
Herbert Elisha Harris	<i>Olneyville</i>
Walter Emerson Hatch	<i>St. Albans, Vt.</i>
Thomas Leo Heffernan	<i>Providence</i>
Oliver James Barton Henderson	<i>Bristol</i>
Levi Samuel Hoffman	<i>East Greenville, Pa.</i>
William Francis Huntley	<i>Providence</i>
George Hurley	<i>Providence</i>



## SENIORS: CLASS OF 1907

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NAME	RESIDENCE
Edmund Talma Jillson, Jr.	<i>Providence</i>
Robert Bradford Jones	<i>Providence</i>
Preston Day Jones	<i>Providence</i>
Herbert Beers Keen	<i>Camden, N. J.</i>
Harvey McLeod Kelley	<i>Bradford, Mass.</i>
William Arthur Kennedy, Ph.B.	<i>Providence</i>
John Courtland Knowles	<i>Providence</i>
Vernon Kriebble Kriebble	<i>Lansdale, Pa.</i>
Frederick Walls Lane	<i>Providence</i>
Leonard Simmons Little	<i>Providence</i>
Charles Adolph Lundell	<i>Providence</i>
Charles David McCann	<i>Brockton, Mass.</i>
Charles Dillon McEvoy	<i>Providence</i>
John Henry McLean	<i>Roslindale, Mass.</i>
Ralph Wilbur McPhee	<i>Newton, Mass.</i>
Joseph James Malcolm	<i>Providence</i>
Thomas Randolph Marshall	<i>Philadelphia, Pa.</i>
George Felix Mattuck	<i>Worcester, Mass.</i>
Royal McKnight Merritt	<i>Clifton Springs, N. Y.</i>
Harold Edmund Miller	<i>St. Albans, Vt.</i>
Richard Hagan Miller	<i>Providence</i>
Ephraim Butler Moulton	<i>Arlington</i>
Ira Leston Nickerson	<i>Manton</i>
Frederick William O'Connor	<i>Pawtucket</i>
Everett Mitchell Paddock	<i>Providence</i>
Harold William Paine	<i>Warwick</i>
William Partridge, Jr.	<i>Central Falls</i>
Leon Frank Payne	<i>Shelburne Falls, Mass.</i>
Harry Edgar Pearsall	<i>Oxford, N. Y.</i>
Edwin James Potter	<i>Bridgeton</i>
Ernest Shaw Reynolds	<i>Providence</i>
William Whyte Reynolds	<i>North Adams, Mass.</i>
Edwin Vose Ross	<i>Portland, Me.</i>
William Nisbet Ross	<i>Providence</i>
Richard Arthur Sanders	<i>Providence</i>
Victor Arthur Schwartz	<i>Newark, N. J.</i>
Ulysses Sylvester Grant Scull	<i>Vineland, N. J.</i>
Arthur Gray Seabury	<i>Little Compton</i>
Benjamin Graves Sinclair	<i>Johnson, Vt.</i>
Walter Clifton Slade	<i>Providence</i>
David Wilkinson Smith	<i>Manville</i>
Arthur Chester Snow	<i>Providence</i>
Frank Gideon Spencer, Jr.	<i>Providence</i>

NAME	RESIDENCE
William Almor Spinney, Jr.	<i>Wallingford, Ct.</i>
Samuel Adams Steere	<i>Providence</i>
Merrick Lyon Streeter	<i>Arlington Heights, Mass.</i>
Homer Newton Sweet	<i>Providence</i>
Everett Harold Swett, Ph.B.	<i>Providence</i>
Harry Hadley Thurlow	<i>Buffalo, N. Y.</i>
Raymond Frank Tift	<i>Somerville, Mass.</i>
Leon Edgar Truesdell	<i>Townshend, Vt.</i>
Raymond Goodwin Von Tobel	<i>Waterbury, Ct.</i>
Harold Allen Walker	<i>Taunton, Mass.</i>
Arthur William Wathen	<i>Rehoboth, Mass.</i>
Ernest Milton Watson	<i>Cranston</i>
Albert Easton White	<i>Providence</i>
Lee Heyer White	<i>New London, Ct.</i>
William Kenneth White	<i>Mansfield, Mass.</i>

## JUNIORS: CLASS OF 1908

David Justin Allen	<i>Stanfordville, N. Y.</i>
Fred Sawyer Auty	<i>Providence</i>
Samuel Jacob Beeber	<i>Worcester, Mass.</i>
William Charles Bitting, Jr.	<i>New York, N. Y.</i>
Ralph Philip Boas	<i>Providence</i>
William Ward Browne	<i>Providence</i>
Osmore Wheeler Buddington	<i>Wilmington, Del.</i>
Elmer Jay Bunting	<i>Keene, N. H.</i>
Robert Taylor Burbank	<i>Providence</i>
Walter Henry Burnham	<i>Providence</i>
Leslie Edgar Bushnell	<i>Auburn</i>
John Gladding Canfield	<i>Providence</i>
Francis Wingate Carret	<i>Roxbury, Mass.</i>
George Wyman Carroll, Jr.	<i>Norwich, Ct.</i>
Norman Stanley Case	<i>Providence</i>
Howard Millar Chapin	<i>Providence</i>
Franklin Irving Chichester	<i>Poughkeepsie, N. Y.</i>
Paul Lloyd Chipman	<i>Wareham, Mass.</i>
Ronald Blake Clarke	<i>Providence</i>
Haven Alton Cobb	<i>Providence</i>
Irving Haven Coffin	<i>Edgartown, Mass.</i>
Earl Biddle Conklin	<i>Canton, Pa.</i>
John Joseph Aloysius Cooney	<i>Providence</i>
Carl Leslie Cordery	<i>Providence</i>
Alfred Jason Densmore	<i>Lebanon, N. H.</i>
Arthur Lewis Denton	<i>Plainfield, N. J.</i>

NAME	RESIDENCE
Patrick Edward Dillon	<i>Valley Falls</i>
Fred Albert Edgecomb	<i>Groton, Ct.</i>
Daniel Webster Edmonds	<i>Washington, D. C.</i>
Virgil Ehle	<i>Pawtucket</i>
Albert Robinson Evans	<i>Barbourville, Ky.</i>
Frank Albert Fearney	<i>Providence</i>
Miner Elliot Fenn	<i>Landgrove, Vt.</i>
Benson Ralph Frost	<i>Rhinebeck, N. Y.</i>
Walter Mason Gager	<i>Providence</i>
Louis John Gillespie	<i>Manchester, N. H.</i>
Robert Ripley Gleason	<i>Lonsdale</i>
Ira Nathan Goff, Jr.	<i>Providence</i>
Christopher Albert Greene	<i>Peace Dale</i>
Clarence Hill Griffith	<i>Utica, N. Y.</i>
Charles LeRoy Grinnell	<i>Middletown</i>
Laurence Rich Grose	<i>Yonkers, N. Y.</i>
Harry Joseph Putnam Hadley	<i>Malone, N. Y.</i>
James Alexander Hall	<i>Providence</i>
Clifford Murray Hathaway	<i>New Bedford, Mass.</i>
James Ovington Hazard	<i>Westerly</i>
Edward Charles Hempel	<i>Genoa</i>
Leslie Stephen High	<i>Providence</i>
Lucian Winfield Himes	<i>Phenix</i>
John Ralph Honiss	<i>Newark, N. J.</i>
Frederic Nightingale Howard	<i>Providence</i>
Sheldon Jenckes Howe	<i>Providence</i>
Clifford Chesley Hubbard	<i>Providence</i>
Robert Alexander Hueston	<i>Providence</i>
Carl Joseph Hunkins	<i>Laconia, N. H.</i>
Clayton Edward Hunt	<i>Columbia, Ct.</i>
Homer Bailey Hunt	<i>North Charlestown, N. H.</i>
Milton Bicknell Hunt	<i>Charleston, Me.</i>
Harry Albert Jager	<i>Providence</i>
Louis Cottrell Jennings	<i>Newport</i>
Raymond Wilcutt De Wolf Jones	<i>Greenfield, Mass.</i>
Manley Spencer Kelley	<i>Stamford, Ct.</i>
Alfred Hopkins Lake	<i>Providence</i>
Harry Badger Lane	<i>New Haven, Ct.</i>
Albert Eddy Leach	<i>North Raynham, Mass.</i>
John Howard Lever	<i>Providence</i>
Jesse Wanton Shippee Lillibridge	<i>East Greenwich</i>
Clinton Coolidge Low	<i>Lynn, Mass.</i>
Harold William Lyall	<i>Lawrence, Mass.</i>

NAME	RESIDENCE
John Clarence McDonald	<i>Ludlow, Vt.</i>
William Lloyd McDonald	<i>St. Albans, Vt.</i>
John Brown Mackenzie	<i>Fall River, Mass.</i>
Frank Maines	<i>Paterson, N. J.</i>
Alvin Inman Marshall	<i>Malone, N. Y.</i>
Hunter Sylvester Marston	<i>New York, N. Y.</i>
James Cook Martin	<i>Brooklyn, N. Y.</i>
Alfred Joseph Maryott	<i>Springfield, Mass.</i>
Frank Fenner Mason	<i>Pawtucket</i>
LeRoy Ayer Mehan	<i>Plattsburg, N. Y.</i>
Thomas Miller	<i>Fall River, Mass.</i>
Robert Ewing Mitchell	<i>Providence</i>
Robert Charles Nason	<i>Medway, Mass.</i>
Henry Nuttall	<i>Fall River, Mass.</i>
Lewis Harvey Nutter	<i>Pittsfield, N. H.</i>
John Joseph O'Connor	<i>Taunton, Mass.</i>
Alfred John Olsen, Jr.	<i>Providence</i>
Roland Cuthbert Ormsbee	<i>Matteawan, N. Y.</i>
Sidney Small Paine	<i>Newton Centre, Mass.</i>
Ely Eliot Palmer	<i>Providence</i>
Earle Winfield Peckham	<i>Providence</i>
Fred Hale Pierce	<i>Danielson, Ct.</i>
Robert Sanborn Pinkham	<i>Wollaston, Mass.</i>
Charles Sumner Plummer, Jr.	<i>Newport</i>
News Hagop Poladian	<i>Providence</i>
John Donald Pryor	<i>South Orange, N. J.</i>
Donald Varnum Richardson	<i>Providence</i>
George Francis Alexander Riley	<i>Fall River, Mass.</i>
Harry Wolcott Robbins	<i>Ballston Spa, N. Y.</i>
Earl Clarendon Ross	<i>Pawtucket</i>
Bertram Francis Ryder	<i>Cotuit, Mass.</i>
Norman Lewis Sammis	<i>Huntington, N. Y.</i>
Benjamin Theodore Schick	<i>Pardeeville, Wis.</i>
Maurice Elijah Schur	<i>Worcester, Mass.</i>
Percy Augustus Shaw	<i>Fall River, Mass.</i>
Carl Wilfred Shepardson	<i>Athol, Mass.</i>
Frank Garret Shinn	<i>Lakehurst, N. J.</i>
Myron Davis Shiverick	<i>Falmouth, Mass.</i>
Earl Robert Smith	<i>Franklinville, N. Y.</i>
William Armour Smith	<i>Lawrence, Mass.</i>
Henry Pomeroy Stacy	<i>Springfield, Mass.</i>
Charles Rathbone Stark, Jr.	<i>Providence</i>
Nathan Sternscher	<i>Providence</i>

## SOPHOMORES: CLASS OF 1909

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NAME	RESIDENCE
Harlan True Stetson	<i>Newton Centre, Mass.</i>
Herbert Knapp Sturdy, Jr.	<i>Attleboro Falls, Mass.</i>
Leslie Earl Swain	<i>Providence</i>
George Danforth Taylor	<i>Stamford, N. Y.</i>
Albert Clark Thomas	<i>Wakefield, Mass.</i>
George Alfred Townsend	<i>Glens Falls, N. Y.</i>
Leon Ernest Varnum	<i>New Bedford, Mass.</i>
Joseph Angier Vernon	<i>Providence</i>
Frank Albert Walker	<i>Providence</i>
James Andrew Walsh	<i>Providence</i>
Wade Clarence West	<i>Glenville, W. Va.</i>
Stewart Downes Weston	<i>Providence</i>
James George Whalen	<i>Northampton, Mass.</i>
Donald Proctor White	<i>Providence</i>
Joseph Butler Whittemore	<i>Providence</i>
James Wilmot	<i>Providence</i>
Sydney Smith Winslow	<i>Fall River, Mass.</i>
Peter Augustus Worsley	<i>Providence</i>
Grey Huntinford Wyman	<i>Lawrence, Mass.</i>
Percy Lawrence Young	<i>Boston, Mass.</i>
Howard Seth Young	<i>Woonsocket</i>

## SOPHOMORES: CLASS OF 1909

Winthrop Adams	<i>Cambridge, Mass.</i>
Jarvis Howard Alger	<i>Westerly</i>
Thomas Parker Ayer	<i>Manchester, N. H.</i>
Herbert Remington Ayler	<i>Portsmouth</i>
George Warren Babcock	<i>Fall River, Mass.</i>
Harold Pemberton Babcock	<i>Providence</i>
Herbert Luther Barrett	<i>Jackson, Miss.</i>
Robert Kershaw Bennett	<i>Killingly, Ct.</i>
Leon Henry Beytes	<i>Plymouth, Mass.</i>
William Bichwit	<i>Providence</i>
Irving Whitman Bogle	<i>Fall River, Mass.</i>
Clarence William Bosworth	<i>Georgiaville</i>
Frederick May Boyce	<i>Providence</i>
Charles Lewis Brightman	<i>Fall River, Mass.</i>
Harold Parker Brown	<i>Providence</i>
Fred Reed Budlong	<i>Providence</i>
William Potter Buffum, Jr.	<i>Newport</i>
Stuart Russell Bugbee	<i>North Attleboro, Mass.</i>
John Wymond Miller Bunker	<i>Newton Centre, Mass.</i>
Philip Burbank	<i>Providence</i>

NAME	RESIDENCE
Robert Wilbur Burgess	<i>Morgan Park, Ill.</i>
Elmer Arthur Burton	<i>Somerville, Mass.</i>
Raymond Buss	<i>Acworth, N. H.</i>
William Hillman Butler	<i>Rockland, Me.</i>
Charles Frederick Butterworth	<i>Pottersville, Mass</i>
Hugh Fred Cameron	<i>Providence</i>
George Henry Campbell	<i>Providence</i>
Edward King Carley	<i>Newport</i>
Amasa Manton Chace	<i>Newport</i>
Robert Foster Chambers	<i>Providence</i>
Malcolm Doyle Champlin	<i>Providence</i>
Emerson Lawrence Chandler	<i>New London, Ct.</i>
Newton Gladding Chase	<i>Woonsocket</i>
Ju-hsiang Chen	<i>Canton, China</i>
Tsung-hua Chou	<i>Hu-Chow, China</i>
Joseph Church, Jr.	<i>Tiverton</i>
Donald Graham Clark	<i>Providence</i>
Harry Duffield Clough	<i>New Bedford, Mass.</i>
Robert Coker	<i>Salem, Mass.</i>
Richard Alexander Colmetz	<i>Providence</i>
James Greenan Connolly	<i>Pawtucket</i>
William Michael Conroy	<i>Fall River, Mass.</i>
Harry Francis Cook	<i>Westerly</i>
Bartlett Chamberlain Coss	<i>Cattaraugus, N. Y.</i>
Albert Moses Cristy	<i>Providence</i>
Harold Redwood Curtis	<i>East Providence</i>
James Davis Dean	<i>Waverly, Pa.</i>
Frank Edward Dennie	<i>Brockton, Mass.</i>
George Amsden Densmore	<i>Lebanon, N. H.</i>
James Payson Dixon, Jr.	<i>New London, N. H.</i>
William Pendleton Dodge	<i>Westerly</i>
Herbert Richardson Ede	<i>Fairhaven, Mass.</i>
Harold Bowen Edmundson	<i>Thornton</i>
Harry Albert Ehmke	<i>Silver Creek, N. Y.</i>
Lawrence Sanford Elliot	<i>Attleboro, Mass.</i>
Paul Ellsworth Everett	<i>Franklin, Mass.</i>
Edward William Everson	<i>Providence</i>
Everett Merrill Hatch Follansbee	<i>Newburyport, Mass.</i>
John Addison Foote	<i>Simpson, Kans.</i>
Henry Edwin Fowler	<i>Wickford</i>
Clifton Gardner	<i>Fall River, Mass.</i>
Henry Ginnel	<i>Garden City, N. Y.</i>
Adolph Gorman	<i>Providence</i>

NAME	RESIDENCE
John Lawrence Gorman	<i>Ballston Spa, N. Y.</i>
Allan Westcott Greene	<i>Barrington</i>
Chester Sargent Hardy	<i>Fitchburg, Mass.</i>
Albert Harkness, 2d	<i>Providence</i>
Daniel Joseph Harrigan	<i>Newburyport, Mass.</i>
Charles Edward Havens	<i>Longmeadow</i>
George Henry Henderson	<i>Woonsocket</i>
Harold Griffith High	<i>Providence</i>
Hou-wei Ho	<i>Tientsin, China</i>
Edward James Hollen	<i>Providence</i>
Yu-peng Hua	<i>Soochow, China</i>
Charles Evans Hughes, Jr.	<i>New York, N. Y.</i>
George Thomas Huxford	<i>Edgartown, Mass.</i>
Will Clarence Ingalls, Jr.	<i>Arlington, N. J.</i>
Howard Kempton Jackson	<i>Woonsocket</i>
Clarence Richard Johnson	<i>Rumford</i>
Bernard Aloysius Keenan	<i>Pawtucket</i>
George Albert Kemp	<i>Warren</i>
Roland Frank King	<i>Providence</i>
Arthur Joseph Kirley	<i>Sheldon, Vt.</i>
Harry Beaston Lake	<i>Port Norris, N. J.</i>
John Raymond Lapham	<i>West Medway, Mass.</i>
Lawrence Lyle Larrabee	<i>Petersburg, Va.</i>
Julius Hyman Lasker	<i>Providence</i>
Ivory Littlefield	<i>Providence</i>
Arthur Densmore Lyman	<i>Springfield, Mass.</i>
Tai-cheng Ma	<i>Tientsin, China</i>
Edward Humphrey McCarthy	<i>Providence</i>
Louis Augustine McCoy	<i>Pawtucket</i>
Omar Roscoe McCoy	<i>Providence</i>
Edwin Bloch Mayer	<i>Chicago, Ill.</i>
John Wesley Mayhew	<i>Edgartown, Mass.</i>
Lewis Hamilton Meader, Jr.	<i>Providence</i>
James Matthias Mercer	<i>Willimantic, Ct.</i>
William Davis Miller	<i>Providence</i>
Marion Ellis Mitchell	<i>Providence</i>
William Edwin Barbour Mitchell	<i>Westerly</i>
William Pleasants Mitchell	<i>Milville, N. J.</i>
Winfield Scott Morrison	<i>Ballston Spa, N. Y.</i>
William Robert Nash	<i>New Britain, Ct.</i>
Donald Nicolson	<i>Newton, Mass.</i>
Warren Carney Norton	<i>Portland, Me.</i>
Chester Linwood Nourse	<i>Newburyport, Mass.</i>

NAME	RESIDENCE
Irving Wooster Patterson	<i>Storrs, Ct.</i>
Theodore Lochart Paul	<i>Sherborn, Mass.</i>
Howard Hanson Payne	<i>Pawtucket</i>
Albert Harkness Poland	<i>Providence</i>
Joseph Price	<i>Providence</i>
Wendell Phillips Raymond	<i>Brockton, Mass.</i>
Elijah Pierson Raynor	<i>West Hampton Beach, N. Y.</i>
David Albert Reid	<i>Providence</i>
Lawrence Richmond	<i>Providence</i>
Alberti Roberts	<i>West Coxsackie, N. Y.</i>
Bernard Shaffner Rose	<i>Providence</i>
William Crawford Ross	<i>Portland, Me.</i>
Allen Oscar Scabury	<i>Little Compton</i>
Henry Boyd Selleck	<i>Providence</i>
Albert Edward Shaw	<i>Webster, Mass.</i>
Henry William Shay	<i>Fall River, Mass.</i>
Herbert Montague Sherwood	<i>Providence</i>
William Tracy Shields	<i>Providence</i>
Harry Allen Skerry	<i>Providence</i>
Bertram Smith	<i>Hillsboro Bridge, N. H.</i>
Harold Bertram Smith	<i>Taunton, Mass.</i>
Harry Frederick Smith, Jr.	<i>New York, N. Y.</i>
Norman Haywood Sooy	<i>Kansas City, Mo.</i>
Harry Bingham Stearns	<i>Wilmot, N. H.</i>
Donald Leroy Stone	<i>Indianapolis, Ind.</i>
Guy Forney Strickler	<i>Lebanon, Pa.</i>
Harold Greene Sturgis	<i>Uniontown, Pa.</i>
John Joseph Sullivan	<i>Cranston</i>
Robert James Banigan Sullivan	<i>Providence</i>
John Seymour Sweetland	<i>Barrington</i>
George Francis Sykes	<i>Suffield, Ct.</i>
Harold Brooks Tanner	<i>Providence</i>
Frank Carter Taylor	<i>Providence</i>
Selwyn Garfield Tinkham	<i>New Bedford, Mass.</i>
James Varnum Turner	<i>Providence</i>
Henry Richard Von Bargaen	<i>Brooklyn, N. Y.</i>
Charles Henry Ward, 2d	<i>Middletown</i>
Charles Fletcher Warren	<i>Plainville, Mass.</i>
Robert Campbell Weed	<i>Drownville</i>
Henry Aaron Weil	<i>Chicago, Ill.</i>
John Hazard Wells	<i>Kingston</i>
Alanson Knox Westervelt	<i>Des Moines, Ia.</i>
George Franklin Weston, Jr.	<i>Providence</i>



## FRESHMEN: CLASS OF 1910

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NAME	RESIDENCE
Chauncey Earle Wheeler	<i>Plainville, Mass.</i>
Clarence Milton Whipple	<i>Mapleville</i>
Robert Holmes Whitmarsh	<i>Providence</i>
Frank Allen Wightman	<i>Warren</i>
Louis Paul Willemín	<i>Providence</i>
Norman Harris Williams	<i>Moodus, Ct.</i>
Sydney Wilmot	<i>Providence</i>
Harry Draper Winsor	<i>Providence</i>

## FRESHMEN: CLASS OF 1910

Daniel Webster Abercrombie, Jr.	<i>Worcester, Mass.</i>
Kenneth Field Albee	<i>Wollaston, Mass.</i>
James Madison Aldrich	<i>Springfield, Vt.</i>
Richard Day Allen	<i>Pawtucket</i>
Max Alonzo Almy	<i>Corning, N. Y.</i>
William Coggeshall Anthony	<i>South Portsmouth</i>
Earle Bernon Arnold	<i>North Scituate</i>
Carl Winslow Atwood	<i>Waltham, Mass.</i>
Donald Sturges Babcock	<i>Providence</i>
Gaius Humphrey Barrett	<i>Waterford, Ct.</i>
Maxwell Barus	<i>Providence</i>
Howard Clifton Bates	<i>Providence</i>
James Edward Battey	<i>Ashland</i>
William Alfred Blackburn	<i>Fairhaven, Mass.</i>
Joseph Eli Bliss	<i>Providence</i>
Samuel Gilbert Blount	<i>Providence</i>
Alexander Fletcher Boig	<i>Providence</i>
Charles Barrett Bowne	<i>Poughkeepsie, N. Y.</i>
Apley Leonel Brett	<i>South Braintree, Mass.</i>
Harold Stephen Bucklin	<i>Pawtucket</i>
Francis Henry Buffum, Jr.	<i>Winchester, N. H.</i>
Hudson Coe Burr	<i>Plainfield, N. J.</i>
Walter Chester Cameron	<i>Auburn</i>
Brayton Clarke Case	<i>Newton Centre, Mass.</i>
Otis Chadwell	<i>Lynn, Mass.</i>
Chester Irving Christie	<i>New York, N. Y.</i>
Leonidas Franklin Clark	<i>Herkimer, N. Y.</i>
Robert Irving Clarke	<i>Fall River, Mass.</i>
John Albert Cleveland	<i>Mt. Jewett, Pa.</i>
Herbert Rice Coffin	<i>Hopedale, Mass.</i>
Antonio Colas	<i>Havana, Cuba</i>
Earl Westgate Colby	<i>West Lebanon, N. H.</i>
John Chichester Collingwood	<i>Poughkeepsie, N. Y.</i>

NAME	RESIDENCE
Eliot Loomis Collins	<i>New York, N. Y.</i>
Andrew Burroughs Comstock	<i>Providence</i>
Morris Ferguson Conant	<i>Pawtucket</i>
Herman Copeland	<i>Providence</i>
Allan David Creelman	<i>Suffield, Ct.</i>
Joseph Henry Cull	<i>Providence</i>
Henry Chester Damon	<i>Fall River, Mass.</i>
Earl Philip Dawley	<i>Providence</i>
John Brown Donahoe	<i>Wakefield</i>
Arthur Daniel Draper	<i>Rochdale, Mass.</i>
Clinton Everett Duncan	<i>Oklahoma City, Okla.</i>
William James Dwyer	<i>Providence</i>
Harold La Forest Ellis	<i>Westfield, Mass.</i>
Jerome Richmond Fales	<i>Barrington</i>
Albert Farnsworth	<i>Lawrence, Mass.</i>
Ralph Beach Farnum	<i>Providence</i>
Albert Potter Farwell	<i>Providence</i>
Raymond Edward Fenner	<i>Providence</i>
Malcolm Sherwood Field	<i>Taunton, Mass.</i>
Albert Louis Fleckhamer	<i>Providence</i>
John Howard Forrist	<i>Providence</i>
William Belfield Freeman	<i>Providence</i>
Everett Percy Frohock	<i>Concord, N. H.</i>
Harold Maurice Frost	<i>Tiverton</i>
William Edward Gannon	<i>New York, N. Y.</i>
Frederick Alberto Gardner	<i>Tilton, N. H.</i>
Raymond Keyes Gould	<i>East Greenwich</i>
Winfield Wardwell Greene	<i>North Wilbraham, Mass.</i>
Charles Henry Grube Haake	<i>New York, N. Y.</i>
Arthur Mathias Ham	<i>Providence</i>
John Patrick Hartigan	<i>Providence</i>
Walter Brooks Henderson	<i>Jamaica, West Indies</i>
John Collins Aloysius Hennessey	<i>Brooklyn, N. Y.</i>
Harold Edwin Henrickson	<i>Providence</i>
Guy Reynolds Hicken	<i>Newburyport, Mass.</i>
Albert Wallace Hills	<i>Haydenville, Mass.</i>
Norman Edward Holt	<i>Providence</i>
Earle Moulton Horton	<i>Providence</i>
Elmer Stuart Horton	<i>Providence</i>
John Danielson Howard	<i>Providence</i>
Donald Grant Howe	<i>Ludlow, Vt.</i>
Paul Balcom Howland	<i>Providence</i>
Roland Ellis Hutchins	<i>Stoneham, Mass.</i>

## FRESHMEN: CLASS OF 1910

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NAME	RESIDENCE
Louis Spurgeon Jackson	<i>Forsyth, Ga.</i>
Malcolm Royce Jeffris	<i>Jonesville, Wis.</i>
Warren Clifford Johnson	<i>Nashua, N. H.</i>
Seth Maurice Kalberg	<i>New Britain, Ct.</i>
Joseph Berry Keenan	<i>Pawtucket</i>
William Kent	<i>Providence</i>
Harold Fremont King	<i>South Scituate</i>
Ambrose Joseph Kinion	<i>Valley Falls</i>
Carl Amos Knowles	<i>Narragansett Pier</i>
Harold Leslie Kohler	<i>New York, N. Y.</i>
Maxwell Krause	<i>Lebanon, Pa.</i>
Lewis Kempt Lambert	<i>Providence</i>
Harold Dane L'Amoureux	<i>Pawtucket</i>
Harry Havelock Lowrey	<i>Providence</i>
William Harkins Lynn	<i>Providence</i>
Raymond Paul McCanna	<i>Providence</i>
Florence Francis McCarthy	<i>Somersworth, N. H.</i>
William Henry McCarthy	<i>Lawrence, Mass.</i>
Gough Decatur McDaniels	<i>Baltimore, Md.</i>
Robert Emmet McGough	<i>Providence</i>
George Henry McGurty	<i>Somersworth, N. H.</i>
Harold St. Clair McIntosh	<i>Providence</i>
Percy Douglas McPhee	<i>Newton, Mass.</i>
Frank Le Forrest Mansur	<i>Haverhill, Mass.</i>
Edward Holton Mason, Jr.	<i>Providence</i>
Keith Mercer	<i>Providence</i>
Benjamin Dwight Miller	<i>Newton Centre, Mass.</i>
Harper Brown Mitchell	<i>Wickford</i>
Marshall Tiffany Morgan	<i>Providence</i>
Ernest Mariett Morris	<i>Fall River, Mass.</i>
John Henry Morrissey, Jr.	<i>Bristol</i>
Alexander Wickliffe Muir	<i>Newton, N. J.</i>
William Charles Oakes	<i>Ischu, N. Y.</i>
Albert Joseph O'Connor	<i>Pawtucket</i>
Harry Lees Oldfield	<i>Saylesville</i>
Henry Bernard O'Neil	<i>Keene, N. H.</i>
Joseph Edwin Oslin	<i>Providence</i>
Stephen David Paddock	<i>Providence</i>
Ralph Mallery Palmer	<i>Providence</i>
George Waller Parker	<i>Atlantic Highlands, N. J.</i>
Albert Nathaniel Peterson	<i>Providence</i>
Harold Thomas Phinney	<i>Providence</i>
William Bolster Pierce	<i>Portland, Me.</i>

NAME	RESIDENCE
Charles Addison Post	<i>Clinton, Ct.</i>
Winfield Cary Potter	<i>Central Falls</i>
Jeremiah Hooper Prescott	<i>Providence</i>
Stephen Donald Pyle, Jr.	<i>Brooklyn, N. Y.</i>
Carl Ruehl Raquet	<i>Newark, N. J.</i>
Ralph Weeden Reckling	<i>Narragansett Pier</i>
Clarence Richards	<i>Providence</i>
Thornton Munroe Richards	<i>West Newton, Mass.</i>
George Arthur Round	<i>Norton, Mass.</i>
Lester Angell Round	<i>Clayville</i>
Isaac Sylvester Rowe	<i>Newton Centre, Mass.</i>
Almer Sanborn	<i>Des Moines, Ia.</i>
Edward John Shaeffer	<i>Ballston Spa, N. Y.</i>
Jeremiah James Shea	<i>Holyoke, Mass.</i>
Israel Remington Sheldon	<i>Pawtuxet</i>
James Chute Simpson	<i>Dorchester, Mass.</i>
Paul Simpson	<i>Newburyport, Mass.</i>
James Smalley, Jr.	<i>Fall River</i>
Thomas Charles Russell Smith	<i>Valley Falls</i>
Paul Hustead Snider	<i>Uniontown, Pa.</i>
Edward Sheldon Spicer	<i>Providence</i>
Howard Alden Straffin	<i>Brockton, Mass.</i>
Harold Avery Swaffield	<i>Newfoundland, N. J.</i>
William Sheldon Sweet	<i>Providence</i>
Russell Thomas Symmes	<i>Stoneham, Mass.</i>
Howard Alfred Taber	<i>Providence</i>
Eddy Warren Tandy	<i>Gardner, Mass.</i>
Eugene Alonzo Thomas	<i>Lafayette</i>
Donald Malcolm Tobin	<i>Swanton, Vt.</i>
Fred Louis Trover	<i>Beaver Falls, Pa.</i>
Harold McGregor Tukesbury	<i>Dorchester, Mass.</i>
Clifton Henry Walcott	<i>Leominster, Mass.</i>
Edward Walter Wall	<i>Easthampton, Mass.</i>
Lawrence Sidney Walker	<i>Providence</i>
Clifton Berkely Ward	<i>Middletown</i>
Roscoe Morgan Waterhouse	<i>Somerville, Mass.</i>
Henry Max Webber	<i>Hillsboro Bridge, N. H.</i>
Harold Leslie Wheeler	<i>Providence</i>
Harold Parker Whitney	<i>Ashburnham, Mass.</i>
Earl Herbert Williams	<i>Auburn</i>
Ralph Henry Wilmarth	<i>Attleboro, Mass.</i>
Claude Maker Wood	<i>Crompton</i>
Martin Harry Yorganyian	<i>Providence</i>

## SPECIAL STUDENTS

NAME	RESIDENCE
Alan Jewett Young	<i>Newton Centre, Mass.</i>
Ray Durfee Young	<i>Silver Creek, N. Y.</i>
Hoohannes Zovigian	<i>Pawtucket</i>
Edward Sumner Bailey	<i>Reading, Mass.</i>
Charles Walter Briggs, Jr.	<i>Norwich, Ct.</i>
William Henry Bucher	<i>Washington, D. C.</i>
Henry Dewees Cady	<i>Warren</i>
George Washington Greene Carpenter	<i>Manton</i>
Henry Sharpe Chafee	<i>Providence</i>
Redmond Peter Conley	<i>Phenix</i>
William Mathew Connell	<i>Edgewood</i>
Frank Bourne Cowell	<i>Providence</i>
Moses Leverock Crossley	<i>Providence</i>
William Washington Dove	<i>Providence</i>
Harold Merton Edwards	<i>Lewiston, Me.</i>
James Farrington	<i>Providence</i>
John Joseph Fraser	<i>Providence</i>
Edgar Howland Gammons, Jr.	<i>New Bedford, Mass.</i>
Fred Palmer Gardner	<i>Rehoboth, Mass.</i>
Everett Arnold Greene	<i>Newton Centre</i>
John Henry Harvey	<i>Pawtucket</i>
Benjamin Louis Antoine Hénin	<i>Newport</i>
Donald Jackson	<i>Providence</i>
Martin Crawford James	<i>Kansas City, Mo.</i>
George Holmes Kelley	<i>Providence</i>
Nathan Gardner Kingsley	<i>Providence</i>
Edmond Irving La Beaume	<i>St. Louis, Mo.</i>
Erroll Stevens Ladd	<i>Springfield, Mass.</i>
Frank Augustus McGreen	<i>Bellows Falls, Vt.</i>
Donald McLean	<i>Bethlehem, Pa.</i>
Oscar Maddaus	<i>Brooklyn, N. Y.</i>
Frederick William Mayer	<i>Pawtucket</i>
Harold Edson Minnerly	<i>Tarrytown, N. Y.</i>
William Paul Lennon	<i>Pawtucket</i>
Edmond Everett Moffett	<i>Saylesville</i>
William Dexter Morrill	<i>Lynn, Mass.</i>
James Lee Murray	<i>Narragansett Pier</i>
Silas Tripp Nye	<i>Natick</i>
Robert Joseph Pâquet	<i>Peterboro, N. H.</i>
Charles Westmacott Perry	<i>Pawtucket</i>
William Christopher Prout	<i>Boston, Mass.</i>

NAME	RESIDENCE
Arthur Ray	<i>Malden, Mass.</i>
Adrien Edward Regnier	<i>Dorchester, Mass.</i>
Robert Aloysius Scally	<i>Stoneham, Mass.</i>
Robert Selleck Schoonmaker	<i>Brighton, Mass.</i>
Victor Bayard Seidler	<i>Newark, N. J.</i>
Wilmarth Young Seymour	<i>Warren</i>
Herbert Benjamin Shearer	<i>Dublin, Pa.</i>
Arthur Sundlun	<i>Providence</i>
Henry Bangs Thacher	<i>Brockton, Mass.</i>
Royal Guy Turner	<i>Malone, N. Y.</i>
Arpiar Vartanian	<i>Providence</i>
Samuel Church Wardwell	<i>Bristol</i>
Herbert Alfred Weikert	<i>Hauppauge, N. Y.</i>
Myron Day Young	<i>Derby, Vt.</i>

# THE WOMEN'S COLLEGE IN BROWN UNIVERSITY

## OFFICERS OF ADMINISTRATION AND INSTRUCTION

WILLIAM HERBERT PERRY FAUNCE, A.M., D.D., LL.D., PRESIDENT

*Professor of Moral and Intellectual Philosophy*

LIDA SHAW KING, A.M., DEAN OF THE WOMEN'S COLLEGE

*Assistant Professor of Classical Philology*

EMMA BRADFORD STANTON, A.M., REGISTRAR OF THE WOMEN'S COLLEGE

JOHN HOWARD APPLETON, A.M., Sc.D.

*Newport-Rogers Professor of Chemistry*

WILLIAM CAREY POLAND, A.M., Litt.D.

*Professor of the History of Art and Director of the Museum of Fine Arts*

NATHANIEL FRENCH DAVIS, A.M., LL.D.

*Professor of Pure Mathematics*

WINSLOW UPTON, A.M., Sc.D.

*Professor of Astronomy and Director of the Ladd Observatory*

ALBERT GRANGER HARKNESS, A.M.

*Professor of Roman Literature and History*

HENRY BRAYTON GARDNER, Ph.D.

*Professor of Political Economy*

COURTNEY LANGDON, A.B.

*Professor of the Romance Languages and Literatures*

WILFRED HAROLD MUNRO, A.M.

*Professor of European History*

GEORGE GRAFTON WILSON, Ph.D.

*Professor of Social and Political Science*

EDMUND BURKE DELABARRE, Ph.D.

*Professor of Psychology*

JAMES IRVING MANATT, Ph.D., LL.D.

*Professor of Greek Literature and History*

WALTER COCHRANE BRONSON, A.M., Litt.D.

*Professor of English Literature*

WALTER GOODNOW EVERETT, Ph.D.

*Professor of Philosophy and Natural Theology*

ASA CLINTON CROWELL, Ph.D.

*Associate Professor of the Germanic Languages and Literatures*

CARL BARUS, Ph.D.

*Hazard Professor of Physics*

FRANCIS GREENLEAF ALLINSON, Ph.D.

*David Benedict Professor of Classical Philology*

HENRY PARKER MANNING, Ph.D.

*Associate Professor of Pure Mathematics*

JAMES QUAYLE DEALEY, Ph.D.

*Professor of Social and Political Science*

WALTER BALLOU JACOBS, A.M.

*Professor of the Theory and Practice of Education*

ALBERT DAVIS MEAD, Ph.D.

*Professor of Comparative Anatomy*

ALBERT BUSHNELL JOHNSON, A.M.

*Associate Professor of the Romance Languages*

ALEXANDER MEIKLEJOHN, Ph.D.

*Professor of Logic and Metaphysics*

JOHN FRANCIS GREENE, A.M.

*Assistant Professor of Roman Literature and History*

FREDERICK SLOCUM, Ph.D.

*Assistant Professor of Astronomy*

WILLIAM MacDONALD, Ph.D., LL.D.

*George L. Littlefield Professor of American History*

JOHN EMERY BUCHER, Ph.D.

*Associate Professor of Organic Chemistry*

HENRY THATCHER FOWLER, Ph.D.

*Professor of Biblical Literature and History*

+LINDSAY TODD DAMON, A.B.

*Professor of Rhetoric*

GEORGE WYLLYS BENEDICT, Ph.D.

*Associate Professor of English*

THOMAS CROSBY, A.M.

*Assistant Professor of English and Public Speaking*

† On leave of absence during the academic year 1900-7.



JOHANNES BENONI EDUARD JONAS, PH.D.

*Assistant Professor of the Germanic Languages and Literatures*

HENRY BARRETT HUNTINGTON, A.B.

*Assistant Professor of English*

ALBERT SWIFT MORSE, A.M.

*Assistant Professor of the Romance Languages*

CAMILLO VON KLENZE, PH.D.

*Professor of the Germanic Languages and Literatures*

JAMES FRANKLIN COLLINS, PH.B.

*Assistant Professor of Botany and Curator of the Herbarium*

CLARENCE ELNATHAN NORRIS, A.M.

*Instructor in German*

GEORGE WARRINGTON LATHAM, A.B.

*Instructor in English*

WILLIAM KIRK, PH.D.

*Instructor in Political Economy*

HOWARD BRISTOL GROSE, JR., PH.B.

*Instructor in English*

ALICE WILSON WILCOX, A.B.

*Instructor in Physiology and Household Economics in the Women's College*

GEORGE RUPERT MACMINN, A.B.

*Assistant in English*

MAURICE LOUIS DOLT, PH.B.

*Assistant in Chemistry*

HARRY WORTHINGTON HASTINGS, A.M.

*Assistant in English*

EDGAR SHEFFIELD BRIGHTMAN, A.B.

*Assistant in Greek*

WALTER EDGAR WOODBURY, A.B.

*Assistant in Philosophy*

HERBERT JOHN PIPER, A.B., D.B.

*Assistant in English*

JEANNIE OLIVER ARNOLD, M.D.

*Medical Examiner*

HESTER JANE MERCER, A.B.

*Head of the Slater Memorial Homestead*

#### COMMITTEE ON THE CURRICULUM

*Professors* POLAND, DAVIS, GARDNER, LANGDON, BRONSON, EVERETT, ALLINSON,  
MEAD, and MACDONALD, *Dean* KING.

## EXECUTIVE COMMITTEE

*President FAUNCE, Dean KING, ROBERT HALE IVES GODDARD, A.M., Rev.  
HENRY MELVILLE KING, A.M., D.D., STEPHEN OLNEY METCALF, A.B.*

## ADVISORY COUNCIL

*Miss SARAH E. DOYLE, Miss AMELIA S. KNIGHT, Mrs. GUSTAV RADEKE,  
Mrs. CARL BARUS, Mrs. FRANCIS G. ALLINSON, Miss CHARLOTTE L. TILLING-  
HAST, Mrs. LEONARD W. WILLIAMS.*

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## ORGANIZATION OF THE WOMEN'S COLLEGE

**I**NSTRUCTION for undergraduate women‡ is provided by a department of the University known as THE WOMEN'S COLLEGE IN BROWN UNIVERSITY. The aim of the Women's College is to offer to all properly prepared women the same examinations, the same courses of study under the same teachers, and the same degrees that the University offers to men, but to preserve the distinct social life of a separate college.

The Corporation of the University assumes supervision and control of the Women's College as of other departments of the University, and for this purpose appoints annually an Executive Committee of the Women's College. The Corporation receives gifts of money to found scholarships, fellowships, and professorships in Brown University for the benefit of its women students, and for the general purposes of the Women's College, and holds and administers such funds as separate and distinct from the general funds of the University. All gifts, legacies, and bequests for the Women's College, like those meant for any other department of the University, should be made payable to "Brown University, in Providence, in the State of Rhode Island and Providence Plantations."

The President of the University is charged with the general direction, supervision, and government of this College as of other departments of the University. The immediate direction, supervision, and control is devolved, subject to the direction of the President, on the Dean of the Women's College. An Advisory Council, appointed under the authority of the Corporation, advises with the President and the Dean upon matters relating to the Women's College, and makes recommendations to the Executive Committee of the Women's College or to the Corporation.

The Faculty of the Women's College is composed of the heads of all departments of instruction in Brown University, together with all professors and instructors who are actually teaching in the College.

‡ In the Graduate Department of Brown University all courses intended for graduate students are open to women on the same terms as to men.

The Women's College has its own recitation hall, gymnasium and dormitory, but uses the various libraries, laboratories, and museums of the University. The recitation building, called Pembroke Hall, after Pembroke College, Cambridge, England, the college of Roger Williams, was erected in 1897 on Meeting Street, an eighth of a mile from the University campus. It contains the offices of the Dean and of the Registrar, recitation rooms, a reading room and a library, a study, a chapel and a lunch room. On Cushing Street, back of Pembroke Hall and separated from it by a small campus, is the gymnasium, the gift of Mr. Frank A. Sayles, erected in 1906. In this building are the offices of the Instructor in Physical Training, a large hall with a gallery, a rest room, a study hall and recitation rooms, while the basement is fitted up with dressing rooms, bathrooms, lockers, and needle and shower baths. The dormitory, at 66 Benefit Street, named the Slater Memorial Homestead in honor of the donor, is an old manor-house remodeled to suit its present use. In addition to the reception, living, and dining rooms, and the apartment occupied by the Head of the house, there are sleeping rooms for twenty-two students.

### REQUIREMENTS FOR ADMISSION

The requirements for admission to the Women's College are the same as those which the University prescribes for men; and the entrance examinations for women are held at the same times and places and under the same conditions as those for men. In place of entrance examinations, certificates may be presented from duly authorized schools. For full information on all these points, see pages 43-52.

Students who do not wish to become candidates for a degree are allowed to register as special students on terms similar to those described on page 53. Each applicant for registration as a special student must present to the Dean satisfactory evidence of her ability to pursue successfully the courses chosen. Every special student, unless excused by the Dean and by the professors in charge of her subjects, must take the regular examinations in those subjects.

### DEGREES

The requirements for the various degrees are the same for women as for men. Information regarding these requirements may be found on pages 57-67. Upon students of the Women's College who complete satisfactorily the work leading to the degree of Bachelor of Arts, Bachelor of Philosophy, or Bachelor of Science, the Board of Fellows of the University confers the appropriate degree.

### COURSES OF INSTRUCTION

In all the required studies the classes are taught by the professors and instructors who have in charge the corresponding classes of men. The elective courses offered are identical in character with the corresponding courses offered to men. A list of those offered during the current year may be found in the Annual Announcement of the Women's College.

## EXAMINATIONS AND REPORTS

As a rule women take the same examinations as those offered to men, and at the same times and places. When a separate examination is necessary, the two examinations are made as nearly identical in character as possible. Reports of standing are given after all examinations.

## PHYSICAL TRAINING

Two hours a week, from the close of the Thanksgiving recess to the end of the second term, are required of first and second year students; for other students voluntary classes are held. Outdoor work is under the supervision of the instructor. At the beginning of their Freshman and Sophomore years, students are carefully examined both by the College Physician and by the Director of the Department.

## FEES

Students at the Women's College pay the same fees as other students of the University. See pages 158-160. No deduction in tuition is made on account of absence. One-half of the tuition and of the incidental expenses must be paid in advance. The remainder is due January 1. Laboratory expenses, etc., must be paid two weeks before the close of a term.

Special students at the Women's College are charged \$10 a term for each course holding three recitations a week. Laboratory charges are in addition to this.

## DORMITORY ACCOMMODATIONS

The College dormitory contains six double rooms and nine single rooms. Each is well furnished. For a single room and for half of a double room, together with board, the charge is \$245 a year. One-third of the sum is payable at the beginning of each term. Laundry work is charged extra. The price for meals, without a room, is \$3.75 a week. Students desiring lodgings outside of the dormitory, with or without board, must secure addresses from the approved list at the Dean's office.

Each student renting a room in the dormitory must sign a contract therefor in the form given below, on which surety may be demanded, binding her to pay or cause to be paid the rent of the room through the entire year. Where two students rent a room together, each must sign a contract for half the room expenses. This obligation is not impaired by the student's removal from the College, whatever the cause of such removal.

*The following is a contract between the Women's College in Brown University, party of the first part, and the undersigned, party of the second part. I hereby engage room No. \_\_\_\_\_ in Slater Memorial Homestead; the same not to be occupied by any other person without consent of the party of the first part, and I bind myself to pay or cause to be paid to the Dean of the Women's College in Brown University the entire rent, including heat and service, amounting to \$ \_\_\_\_\_ for the college year beginning September, 190 .*

It is a part of this agreement that I shall be held responsible for all damage or defacement of such room or its furniture, ordinary wear excepted; also that disuse of the

room by me on account of illness, or in case registration is refused me owing to low standing or bad conduct, does not impair the obligation of this contract.

Signed \_\_\_\_\_

*This       day of*

*190 .*

## LOAN FUNDS AND SCHOLARSHIPS

The College has a loan fund and various scholarships designed to aid deserving students. Aid is given only to students whose work is creditable, and is withdrawn if the recipients become deficient in scholarship or subject to college discipline. Applications should be made in writing to the Dean on or before May 1. Awards are made after July 1. A list of the funds and scholarships follows.

The Rhode Island Society for the Collegiate Education of Women has founded a Loan Fund from which students of the Women's College who have completed their first year may borrow small sums on easy terms. This fund is available only for students whose record for scholarship is satisfactory to the committee which administers the loans. Further information may be obtained from the Dean.

The Rhode Island Women's Club annually devotes the income of its Churchill Fund toward the payment of the tuition of some student in the Women's College, preferably the daughter of a member of the Club.

The College awards annually from its own funds scholarships of varying amounts, to students in need of financial aid. There are also the following endowed scholarships:

### THE SARAH E. DOYLE SCHOLARSHIP

of one thousand dollars, founded by the lady whose name it bears, the income to be applied toward the payment of the tuition of students in the Women's College who have been prepared for college in the Providence English High School.

### THE SARAH SUTTON SCHOLARSHIP

of one thousand dollars, founded by one of her daughters.

### THE DANIELS SCHOLARSHIP

of twenty-five hundred dollars, the income to be used toward paying the expenses of one or more women pursuing studies either in the University or in the Women's College adjunct thereto.

### THE HOWARD SCHOLARSHIP

Of one thousand dollars, presented by James Leland Howard of Hartford, Conn.

### THE THAYER SCHOLARSHIP

founded by Edward C. Thayer, in honor of his father, Joseph Thayer, of the class of 1815, the income to be for the education of any young man or woman a resident of Uxbridge, Mass., endorsed by the selectmen and

superintendent of schools there, needing pecuniary aid and giving promise by character and scholarship of a life of usefulness. If there is no applicant from Uxbridge, the income may go to any applicant from Massachusetts who fulfils the conditions.

### PRIZES, PREMIUMS, AND HONORS

#### THE GASPEE CHAPTER DAUGHTERS OF THE AMERICAN REVOLUTION PRIZE

This Prize of forty dollars is awarded annually to that student in the graduating class of the Women's College who shall present the best essay upon some topic in American history. The essays are to bear each an assumed name, and to be accompanied by an envelope marked with the assumed name and enclosing the candidate's real name and address. The essays must be handed to the Dean before May 1. The award is announced on Commencement Day. The topic for the year 1905-6 was "The history of the Sons of Liberty in New England." The topic for 1906-7 is "The Yorktown campaign." In 1906 this prize was awarded to

URSULA HOPE DEVENISH

#### PHILOSOPHICAL PRIZES

In 1906-7 are offered two prizes, a first prize of seventy-five dollars and a second prize of twenty-five dollars, for the best and second best essays on the subject: "Inconsistencies in contemporary morality." In 1905-6 the subject was: "A critical study of mysticism in English poetry." The prizes were awarded to

BESSIE LENORE ADAMS

EMMA ELIZABETH MCKENNA

#### ENGLISH PRIZES

Two prizes, a first prize of fifty dollars and a second prize of twenty-five dollars, are offered in 1906-7 by Mrs. Harrison Parker Bridge for the best and second best essays on some literary subject. The competition is open to members of the Junior and Senior classes. The essays should contain not less than three thousand words nor more than five thousand, and must be typewritten; they must be handed to the Dean before noon of March 1; each is to bear an assumed name, and be accompanied by an envelope superscribed with the assumed name and enclosing the writer's real name. In awarding the prize special regard will be given to style, although a thorough knowledge of the subject will also be expected. The prizes will be withheld if no essays are deemed worthy of them. The following topics are suggested: "The diary and letters of Madame D'Arblay;" "The essays of William Hazlitt;" "The personality and art of Tennyson as shown in the memoir by his son;" "A comparison of Jane Austen and Anthony Trollope as portrayals of English life." Competitors may select other subjects if they prefer, but must submit them to the Department of English for approval.

## THE SOCIETY OF COLONIAL DAMES PRIZE IN AMERICAN HISTORY

The income of a fund of fifteen hundred dollars, known as THE ROGER WILLIAMS FUND ESTABLISHED BY THE NATIONAL SOCIETY OF COLONIAL DAMES IN THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, given to the University in 1906, is awarded annually as a prize for the best essay on a subject in American colonial history. The competition is open to Juniors, Seniors, and Graduates, and to men and women on equal terms. Essays must show independent use of authorities, and should, in general, extend to at least four thousand words. Detailed regulations governing the competition are announced from year to year, and the name of the successful competitor is announced at Commencement. The subject for the essay in 1906-7 is: "The part taken by the New England clergy after 1760 in bringing on the American Revolution."

## ADDITIONAL PREMIUMS

The students of the Women's College are entitled to compete in all examinations for premiums and prizes offered by Brown University. In case any woman is entitled to a first premium, competed for by examination, a prize, the amount of which is duly announced, is awarded by the Dean. For the awards in 1906, see pages 168-173.

## HONORS

Term Honors and Final Honors are awarded to women on the same conditions as to men. See pages 174-5.

*Further information in regard to the Women's College may be obtained by addressing THE DEAN, PEMBROKE HALL, PROVIDENCE, R. I.*

## STUDENTS

### SENIORS: CLASS OF 1907

NAME	RESIDENCE
Mary Louise Adams	<i>Providence</i>
Leah Brown Allen	<i>Providence</i>
Anne McCurdy Bass	<i>Arcadia</i>
Lizzie Alma Blackburn	<i>Fairhaven, Mass.</i>
Alice Marie Blessing	<i>Providence</i>
Mildred Allen Carnes	<i>Providence</i>
Martha Warren Case	<i>Providence</i>
Annie Cocks Clark	<i>Providence</i>
Gertrude Mary Clark	<i>Providence</i>
Marion Shirley Cole	<i>Bristol</i>
Blanche May Crapo	<i>Taunton, Mass.</i>
Elizabeth Robinson Cragon	<i>Providence</i>
Nellie Veronica Donovan	<i>Pawtucket</i>
Bessie Alice Gatie	<i>New Bedford, Mass.</i>
Ida Marion Grimshaw	<i>Fairhaven, Mass.</i>
Gladys Mitchell Hagood	<i>La Grange, Mo.</i>
Bertha Ethel Hopkins	<i>North Scituate</i>
Harriet Louvan Hoyle	<i>Providence</i>
Zerrie Fitz Randolph Huntsman	<i>Providence</i>
Helma Augusta Johnson	<i>Rumford</i>
Marguerite May Levere	<i>Bristol</i>
Rachel Gertrude McAuliffe	<i>Providence</i>
Kathrine Marion MacKenzie	<i>Pawtucket</i>
Grace Edith Mahy	<i>Providence</i>
Alice Rhodes Martin	<i>Warren</i>
Bertha Corinne Mathieu	<i>Central Falls</i>
Louise Baggott Morgan	<i>Providence</i>
Bertha Elizabeth Piggott	<i>Providence</i>
Claribel Redford	<i>Pawtucket</i>
Ethel Louise Robinson	<i>Providence</i>
Ida Lawrence Rollins	<i>Providence</i>
Ethel Ida Rowand	<i>East Providence</i>
Louise Amelia Schofield	<i>Providence</i>
Louise Schutz	<i>Providence</i>
Sarah Ida Shapiro	<i>Providence</i>
Beulah Sheldon	<i>Providence</i>
Blanche Luella Smith	<i>Providence</i>
Eunice Clara Smith	<i>Pawtucket</i>



NAME	RESIDENCE
Ethel May Washburn	<i>Central Falls</i>
Mary Alice Whittlesey	<i>Rockville, Ct.</i>
Lillian Arthur Winsor	<i>Providence</i>

## JUNIORS: CLASS OF 1908

Mary Wood Arnold	<i>Touisset, Mass.</i>
Berta Edith Baldwin	<i>Coos, N. H.</i>
Jeanette Baldwin	<i>Coos, N. H.</i>
Louise Adams Bourne	<i>Providence</i>
Laura Cindarella Brant	<i>Nooseneck</i>
Rosa Ellen Brant	<i>Nooseneck</i>
Gertrude Mace Childs	<i>Swampscott, Mass.</i>
Bertha Guild Coffin	<i>Hopedale, Mass.</i>
Elizabeth Reynolds Cole	<i>Warren</i>
Amy Brown Eaton	<i>Providence</i>
Gertrude Marsh Ellis	<i>Fairhaven, Mass.</i>
Katherine Everett	<i>Chicago, Ill.</i>
Ruth Leonard Foster	<i>Providence</i>
Lida Montfort Fowler	<i>Providence</i>
Mary Amelia Gorman	<i>Providence</i>
Mary Isabel Hall	<i>Providence</i>
Frances Eldridge Hatch	<i>Providence</i>
Hattie Maria Holt	<i>Providence</i>
Sarah Ann Ide	<i>East Providence</i>
Abbie Howard Keith	<i>Putnam, Ct.</i>
Cora Ella Medbury	<i>Providence</i>
Caroline Battelle Phillips	<i>Providence</i>
Alice Manchester Potter	<i>Providence</i>
Alice Ethel Presbrey	<i>Providence</i>
Fannie Whittlesey Shore	<i>Pawtucket</i>
Marjorie Whitney Stevens	<i>Providence</i>
Beatrice Anna Sturdy	<i>Providence</i>
Laura Ellen Webster	<i>Providence</i>
Hannah Grace Welsh	<i>Warren</i>
Mary Evelyn Whelan	<i>Fall River, Mass.</i>
Mary Harkness White	<i>Providence</i>
Emilie Marie Louise Wildprett	<i>Providence</i>

## SOPHOMORES: CLASS OF 1909

Carrie Ethel Baker	<i>Mystic, Ct.</i>
Mattie Lucina Beattie	<i>Coos, N. H.</i>
Lucile Murray Blanchard	<i>Uxbridge, Mass.</i>
Agnes Gertrude Brown	<i>Providence</i>
Florence Edith Brown	<i>Providence</i>

NAME	RESIDENCE
Ada Irene Burton	<i>Pawtucket</i>
Nettie Louise Butler	<i>Providence</i>
Anna Clarke Carpenter	<i>Manton</i>
Helen Frances Crawshaw	<i>Providence</i>
Florence Alice Crossley	<i>Providence</i>
Mary Crowell	<i>Warren</i>
Charlotte Christabell Delaney	<i>Pawtucket</i>
Ruth Augusta Dexter	<i>Central Falls</i>
Mildred Diman	<i>Contoocook, N. H.</i>
Elizabeth Mary Eaton	<i>Grasmere, N. H.</i>
Nellie Mary Evans	<i>Port Chester, N. Y.</i>
Frances Allen Foster	<i>Providence</i>
Irma Alida Gyllenberg	<i>Providence</i>
Ellyn Marguerite Hague	<i>Cumberland Hill</i>
Mabel Irene Hinton	<i>Plainville, Mass.</i>
Madeleine Katherine Johnson	<i>Providence</i>
Agnes Jonas	<i>Providence</i>
Audrey Lydia Lake	<i>Fall River, Mass.</i>
Irene Lydia Laraway	<i>Providence</i>
Emma Dunham Lee	<i>Newport</i>
Bessie Louise Mayo	<i>Milton, N. H.</i>
Louise McNeerney	<i>Attleboro, Mass.</i>
Elise Emeline McCausland	<i>Providence</i>
Margaret Julia Morgan	<i>Providence</i>
Maude Bixby Nichols	<i>Providence</i>
Mary Loretta O'Brien	<i>Warren</i>
Cora Collette Robinson	<i>Providence</i>
Josephine Thomson Sackett	<i>Providence</i>
Myra Melissa Sampson	<i>Fall River, Mass.</i>
Annie Martha Sanders	<i>New Hampton, N. H.</i>
Irma Pearl Schwarzkopf	<i>Providence</i>
Isabelle Douglas Scott	<i>Providence</i>
Lydia Ann Slade	<i>Swansea, Mass.</i>
Margaret Bingham Stillwell	<i>Providence</i>

## FRESHMEN: CLASS OF 1910

Gertrude Mary Allen	<i>Riverside</i>
Lida May Bassett	<i>Plymouth, Mass.</i>
Gwendolen Blodgett	<i>Providence</i>
Elizabeth Marie Boardman	<i>Providence</i>
Dorothy Bourne	<i>Pontiac</i>
Alma Romaine Brown	<i>Attleboro, Mass.</i>
Hattie Elizabeth Brown	<i>Attleboro, Mass.</i>

NAME	RESIDENCE
Harriet Josephine Buck	<i>Mansfield, Mass.</i>
Hazel McCrum Buckey	<i>Central Falls</i>
Annie Esther Burnside	<i>Pawtucket</i>
Mabel Kincaid Bushell	<i>Providence</i>
Carrie Josephine Collins	<i>Providence</i>
Alice Frances Cook	<i>Georgiarville</i>
Frances Julia Corp	<i>Providence</i>
Lillian Ruth Cosgrove	<i>Campello, Mass.</i>
Marion Elizabeth Dean	<i>Taunton, Mass.</i>
Katharine Helen Degnan	<i>Providence</i>
Lydia Theodora Dobler	<i>Providence</i>
Marguerite Grace Frost	<i>Providence</i>
Helen Emilie Gindele	<i>Pawtucket</i>
May Winsor Hall	<i>Providence</i>
Clara Estelle Hefner	<i>Southbridge, Mass.</i>
Mabel Marshall	<i>Acushnet, Mass.</i>
Sarah Frances McKenna	<i>Waltham, Mass.</i>
Elizabeth Morrison	<i>Providence</i>
Caroline Millard Morton	<i>Providence</i>
Nellie Blithe Nicholson	<i>Baltimore, Md.</i>
Flora Marie Rausch	<i>Providence</i>
Hazel Louise Raybold	<i>Providence</i>
Alice Gertrude Reynolds	<i>Stoughton, Mass.</i>
Marion Augusta Richards	<i>Attleboro, Mass.</i>
Ethel Fanning Riley	<i>Providence</i>
Florence Lilian Rose	<i>Edgewood</i>
Bernice Estelle Sears	<i>Providence</i>
Abbie Deborah Steere	<i>Hingham Centre, Mass.</i>
Marjorie Maud Stone	<i>Providence</i>
Mary Clegg Suffa	<i>Providence</i>
Alice Ida Sweet	<i>Providence</i>
Asenath Evans Tarr	<i>Essex, Mass.</i>
Edith Thornton	<i>Pawtucket</i>
Leila Tucker	<i>Providence</i>
Alice Mary Wilbur	<i>Mansfield, Mass.</i>
Mildred Corinne Williams	<i>Providence</i>
Isabel Stuart Wood	<i>East Greenwich</i>

## SPECIAL STUDENTS

Louise Anthony	<i>West Barrington</i>
Florence Lee Baker	<i>Providence</i>
Mela Elsie Bennett	<i>Providence</i>
Gertrude Marion Brown	<i>Providence</i>

NAME	RESIDENCE
Dorothea Brenton Burge	<i>Edgewood</i>
Edith Abigail Cate	<i>Providence</i>
Anna Gertrude Cawley	<i>East Providence</i>
Eunice Wildram Clark	<i>Providence</i>
Alice Collins	<i>Providence</i>
Marion King Evans	<i>Providence</i>
Katherine Fanning	<i>Providence</i>
Eva Belle Fletcher	<i>Providence</i>
Elizabeth Louise Foster	<i>Providence</i>
Lillie Etta Fraser	<i>Providence</i>
Sarah Newcomb Gallagher	<i>East Greenwich</i>
Mabel Eunice Guile	<i>Providence</i>
Katharine Carver Gurney	<i>Providence</i>
May Hartshorn Hartwell	<i>Providence</i>
Agda Marie Johnson	<i>Eden Park</i>
Marie Kiernan	<i>Providence</i>
Gertrude May Marble	<i>Attleboro, Mass.</i>
Angie Melden	<i>Providence</i>
Harriet Bennett Munro	<i>Providence</i>
Marie Thiel Perkins	<i>Providence</i>
Irene Katharine O'Reilly	<i>Woonsocket</i>
Harriet May Phillips	<i>Springfield, Mass.</i>
Bina May Shorey	<i>Providence</i>
Emily Wickett	<i>Howard</i>
Louise Southworth Williams	<i>Providence</i>

## APPENDIX

### THE BROWN UNIVERSITY TEACHERS' BUREAU

THE Brown University Teachers' Bureau has been established for the purpose of communicating with institutions desiring to employ graduates of Brown as teachers. To this end it solicits correspondence with those who are seeking well equipped teachers, and invites inspection of the list of such teachers now registered. It advises graduates of Brown who wish its assistance to register at once, and, if possible, to meet the Secretary in a personal interview. It offers to undergraduates information as to subjects in which there is a demand for teachers, as to positions commonly open to recent graduates, and as to the preparation usually required. No charge for the services of the Bureau is made either to students or to schools. It is the further purpose of the Bureau to foster coöperation between the University and all graduates engaged in the work of education. As far as possible an accurate register of the addresses and the positions of all such graduates is kept. The office of the Secretary, Professor WALTER BALLOU JACOBS, is in the Administration Building, Room 10.

### THE BROWN UNIVERSITY TEACHERS' ASSOCIATION

The Brown University Teachers' Association was organized in 1903. The purpose of the Association is "first, to further the mutual interests of Brown University and the schools preparing students therefor; and second, to promote the welfare of the Alumni of the University who are teachers."

The fifth annual meeting of the Association will be held on Friday and Saturday, March 8 and 9, 1907. The meetings and subjects will be as follows:

*Friday afternoon*, MANNING HALL: Accuracy in scholarship and how to secure it.

*Friday evening*, GYMNASIUM OF THE WOMEN'S COLLEGE: The higher education of women in Rhode Island.

*Saturday morning*, MANNING HALL: The departmental organization of secondary schools.

### OFFICERS FOR THE YEAR 1906-7

#### *President*

DANIEL WEBSTER ABERCROMBIE, LL.D.

#### *1st Vice-President*

Professor WALTER COCHRANE BRONSON, Litt.D.

*2d Vice-President*

CHARLES EDWARD DENNIS, PH.D.

*Secretary*

PROFESSOR WALTER BALLOU JACOBS, A.M.

*Treasurer*

WILLIAM SETCHELL LEARNED, A.B.

*Executive Committee*

THE OFFICERS OF THE ASSOCIATION AND THE PRESIDENT OF THE UNIVERSITY,  
*ex officio* ; PROFESSOR JOHANNES BENONI EDUARD JONAS, PH.D. ; HERBERT  
 ELMER DRAKE, A.M. ; PROFESSOR NATHANIEL FRENCH DAVIS, LL.D.

## THE RHODE ISLAND ALPHA OF THE PHI BETA KAPPA SOCIETY

### OFFICERS AND COMMITTEES 1906-7

*President*

WILLIAM THANE PECK, SC.D.

*Vice-President*

PROFESSOR WALTER GOODNOW EVERETT, PH.D.

*Secretary*

PROFESSOR WALTER COCHRANE BRONSON, LITT.D.

*Treasurer*

ROBERT PERKINS BROWN, A.M.

*Committee on Nominations*

PROFESSOR WINSLOW UPTON, SC.D., HENRY FREDERIC LIPPITT, A.B., GEORGE  
 WHIPPLE PORTER, M.D., CHARLES TALBOT DORRANCE, A.B., DANIEL BECK-  
 WITH, A.B.

*Committee on Arrangements*

WILLIAM THANE PECK, SC.D., JOSEPH EDWARD MOWRY, A.M., HON.  
 CHARLES CARNEY MUMFORD, A.M.

*Auditing Committee*

WILLARD BROOKS TANNER, A.M., WALTER JAMES TOWNE, A.M.

*Committee on New Chapters*

PROFESSOR WALTER COCHRANE BRONSON, LITT.D., PROFESSOR NATHANIEL  
 FRENCH DAVIS, LL.D., PROFESSOR WALTER BALLOU JACOBS, A.M.

### MEN ELECTED IN 1906

*Seniors*

Charles Barrows Bennett  
 Ray Brown  
 Raymond Gilbert Bugbee

Charles Raymond Chappell  
 Howard Wilbur Congdon  
 Robert Franklin Field

Allen Wilbur Manchester  
 Philip Victor Marcus  
 Preston Sumner Moulton  
 Eliot Greer Parkhurst

Leeson Oren Tarleton  
 Howard Melville Tracy  
 William Grant Winsor, Jr.

*Juniors*

Zechariah Chafee, Jr.  
 Harry Wright Collins  
 George Hurley  
 John Courtland Knowles

William Nisbet Ross  
 David Wilkinson Smith  
 Homer Newton Sweet  
 Leon Edgar Truesdell

WOMEN ELECTED IN 1906

*Seniors*

Ida Frances Herrmann  
 Annie Elizabeth McAlister

Georgie Smith Peck  
 Elva Elizabeth Phillips

*Juniors*

Mildred Allen Carnes  
 Marguerite May Levere

Louise Baggott Morgan  
 Louise Schutz

THE BROWN CHAPTER OF THE SOCIETY OF  
 THE SIGMA XI

Students who have taken at least seventy-eight term hours in pure or applied science are, in their Senior year, eligible to membership in the honorary scientific society, Sigma Xi, provided that they have "given promise of marked ability in those lines of work which it is the object of the Society to promote."

OFFICERS AND COMMITTEES 1906-7

*President*

Professor HENRY PARKER MANNING, PH.D.

*Vice-President*

Professor FREDERICK SLOCUM, PH.D.

*Recording Secretary*

Professor CHARLES WILSON BROWN, A.M.

*Corresponding Secretary*

Professor ALBERT DAVIS MEAD, PH.D.

*Treasurer*

MICHAEL XAVIER SULLIVAN, PH.D.

*Auditor*

Professor ARTHUR EUGENE WATSON, PH.D.

*Councillor*

Professor JOHN EDWARD HILL, SC.D.

*Committee on Nominations*

PROFESSOR ALBERT DEFOREST PALMER, JR., PH.D., PROFESSOR FREDERIC POOLE  
GORHAM, A.M., PROFESSOR JOHN EMERY BUCHER, PH.D., PROFESSOR ARTHUR  
HORACE BLANCHARD, A.M., PROFESSOR CHARLES WILSON BROWN, A.M.

## MEMBERS ELECTED IN 1906

*Alumni*

William Williams Keen, M.D., '59	Lyman Churchill Newell, Ph.D., '90
Frank Perkins Whitman, Sc.D., '74	Charles Manchester Perry, '91
Amory Prescott Folwell, '85	Haven Metcalf, Ph.D., '96
George Wilton Field, Ph.D., '87	Ernest Edward Tyzzer, M.D., '97

*Graduate Students*

Paul Franklin Clark, A.M., '04	Marion Lydia Shorey, A.M., '06
Henry Carroll Tracy, A.M., '04	Alice Wilson Wilcox, Vassar '94

*Seniors*

Frederick Steere Beattie	Maurice Louis Dolt
Charles Barrows Bennett	Robert Franklin Field
Alexander Manlius Burgess	Arthur Leonard Flagg
Horace Edward Chandler	Albert John Loepsinger
Howard Wilbur Congdon	Oscar William Rackle

## THE ASSOCIATED ALUMNI

## OFFICERS AND COMMITTEES 1906-7

*President*

HON. SAMUEL COFFIN EASTMAN, LL.B., Concord, N. H.

*Vice-Presidents*

HON. ARTHUR LEWIS BROWN, LL.B., Providence, R. I.  
Rt. Rev. FREDERICK BURGESS, D.D., Garden City, N. Y.

*Secretary*

ALBERT KNIGHT POTTER, A.M., Providence, R. I.

*Treasurer*

ROBERT WENDELL TAFT, PH.B., Providence, R. I.

*Executive Committee*

HORACE GEORGE MILLER, M.D., WILLIAM HOWARD SWEETLAND, A.M., ALBERT ALLISON BAKER, A.B., SEEGER EDWARDS, LL.B., FRANK WILLINGTON MATTESON, PH.B.

*Advisory Committee*

ALBERT KNIGHT POTTER, A.M., ALFRED BERTRAND MEACHAM, A.B., WESLEY ELIAS MONK, LL.B., WILLIAM HENRY BENNETT, M.D., CLARENCE AUGUSTUS CARR, D.M.D., JOHN PAINE GAGE, A.B., JOHN ARTHUR CLOUGH, PH.B.



## ALUMNI ASSOCIATIONS

## BOSTON

*President*, J. E. Leach, '74. *Vice-President*, G. E. Horr, '76. *Secretary*, W. E. Monk, '96. *Treasurer*, F. W. Woodcock, '91. *Executive Committee*: Joseph Walker, '87; E. A. Hicks, '91; E. H. Johnson, '91; C. H. Lingham, '97; F. W. Murphy, '99.

## NEWPORT

*President*, W. P. Buffum, '79. *First Vice-President*, H. M. Stone, '92. *Second Vice-President*, J. B. Diman, '85. *Secretary and Treasurer*, C. A. Carr, '87. *Executive Committee*: B. F. Thurston, '80; C. A. Carr, '87; F. M. Hammett, '80.

## WOONSOCKET

*President*, M. L. B. Sweatt, Ex. '98. *Vice-President*, A. F. Ballou, '97. *Secretary*, F. E. Whitaker, '88. *Treasurer*, J. E. Brown, Ex. '01. *Executive Committee*: F. H. Spear, '91; E. H. Rathbun, '89; F. E. McFee, '75.

## FALL RIVER

*President*, E. B. Durfee, '84. *Vice-President*, A. I. Connell, '87. *Secretary*, J. P. Gage, '92. *Treasurer*, J. R. Ferguson, '94. *Executive Committee*: C. B. Luther, '83; J. H. Lindsey, '92; G. C. Hatheway, '99.

## WORCESTER COUNTY

*President*, R. W. Greene, '83. *Clerk and Treasurer*, J. A. Clough, '99. *Executive Committee*: G. A. Gordon, '95; G. A. Gaskill, '98; G. R. Hazard, '94; C. L. Nichols, '72; F. H. Staples, '94.

## CONNECTICUT VALLEY

*President*, M. M. Johnson, '70. *Vice-President*, ———. *Secretary and Treasurer*, W. H. Mitchell, '00. *Executive Committee*: P. S. Moxom, h. '92; C. P. Brunsen, '88; J. W. Hastings, '76; M. M. Johnson, '70; W. H. Mitchell, '00.

## NEW YORK CITY

*President*, Gardner Colby, '87. *Vice-President*, H. C. Bumpus, '84. *Secretary*, A. B. Meacham, '96. *Treasurer*, W. R. Dorman, '92. *Board of Governors*: J. B. F. Herreshoff, '70; Arthur Lincoln, '70; J. M. Duane, '72; S. H. Ordway, '80; C. E. Hughes, '81; N. S. Dike, '85.

## CENTRAL NEW YORK

*President*, F. R. Hazard, '81. *Vice-President*, J. S. Fox, '94. *Secretary and Treasurer*, W. G. Bullard, '92.

## ROCHESTER

*President*, C. A. Barbour, '88. *Secretary and Treasurer*, H. C. Peepels, '81.

## PHILADELPHIA

*President*, Arthur Rogers, '86. *First Vice-President*, H. P. Dormon, '96. *Second Vice-President*, J. B. Porter, '90. *Secretary*, W. H. Bennett, h. '84. *Treasurer*, Frank Mauran, '85. *Executive Committee*: H. A. Coffin, '01; G. H. Ferris, '91; P. T. Fort, Ex. '95.

## MARYLAND AND DISTRICT OF COLUMBIA

*President*, A. M. Quick, '87. *Vice-President*, H. E. Day, '93. *Secretary and Treasurer*, J. H. Olcott, '72. *Executive Committee*: W. A. Slade, '98; George B. McClellan, '97; T. E. B. Pope, '02.

## CLEVELAND

*President*, J. H. Hoyt, '74. *Vice-President*, E. L. Thurston, '81. *Secretary and Treasurer*, F. P. Whitman, '74. *Executive Committee*: N. S. Calhoun, '79; J. S. Greene, '82; C. G. King, Jr., '84.

## CINCINNATI

*President*, E. W. Coy, '58. *Vice-President*, W. H. Pabodie, '55. *Secretary*, S. W. Smith, Jr., '80.

## CHICAGO

*President*, C. L. Bartlett, '82. *Vice-President*, George Packard, '89. *Secretary and Treasurer*, F. L. Morse, '86.

## ST. LOUIS

*President*, D. S. H. Smith, '62. *Secretary*, A. L. Abbott, '80. *Treasurer*, J. B. Edwards, '96.

## COLORADO

*President*, F. E. Brooks, '83. *Treasurer*, S. L. Caldwell, '75. *Secretary*, C. P. Bennett, '79.

## CALIFORNIA

*President*, N. B. Blaisdell, '83. *Secretary*, M. A. Newell, Ex. '84.

## JAPAN

*President*, A. A. Bennett, '72. *Secretary*, W. B. Bullen, '99.

# TABLE SHOWING RENT AND LOCATION OF DORMITORY ROOMS

## HOPE COLLEGE

<i>No.</i>	<i>Division</i>	<i>Floor</i>	<i>Windows face</i>	<i>Bedrooms</i>	<i>Rent</i>
1	South	1	E. & S.	There are no separate bedrooms, but Nos. 1 and 2, 5 and 6, 9 and 10, 35 and 36, 39 and 40 43 and 44, can be used either as suites or as single rooms.	\$126
2	"	"	W. & S.		132
3	"	"	W.		126
4	"	"	E.		123
5	"	2	E. & S.		126
6	"	"	W. & S.		132
7	"	"	W.		126
8	"	"	E.		123
9	"	3	E. & S.		117
10	"	"	W. & S.		123
11	"	"	W.		117
12	"	"	E.		111
13	"	4	E. & S.		111
14	"	"	W. & S.		117
15	"	"	W.		111
16	"	"	E.		108
17	Middle	1	E.		123
18	"	"	W.		126
19	"	"	W.		126
20	"	"	E.		123
21	"	2	E.		123
22	"	"	W.		126
23	"	"	W.		126
24	"	"	E.		123
25	"	3	E.		111
26	"	"	W.		117
27	"	"	W.		117
28	"	"	E.		111
29	"	4	E.		108
30	"	"	W.		111
31	"	"	W.		111
32	"	"	E.		108
33	North	1	E.		123
34	"	"	W.		126
35	"	"	W.		138
36	"	"	E.		138
37	"	2	E.		123
38	"	"	W.		126
39	"	"	E. & N.		138
40	"	"	E. & N.		138
41	"	3	W.		111
42	"	"	W.		117
43	"	"	W. & N.		126
44	"	"	E. & N.		126
45	"	4	E.		108
46	"	"	W.		111
47	"	"	W. & N.		117
48	"	"	E. & N.		117

BROWN UNIVERSITY  
UNIVERSITY HALL

<i>No.</i>	<i>Division</i>	<i>Floor</i>	<i>Windows face</i>	<i>Bedrooms</i>	<i>Rent</i>
4	South	1	W.	<i>None</i>	\$130
10	"	2	S. & W.	2	250
12	"	"	W.	<i>None</i>	115
13	"	"	W.	"	115
16	"	"	E.	"	100
17	"	"	E.	"	106
18	"	"	E. & S.	"	133
19	"	3	S. & W.	2	240
21	"	"	W.	<i>None</i>	112
22	"	"	W.	"	112
25	"	"	E.	"	100
26	"	"	E.	"	100
27	"	"	E. & S.	"	121
28	"	4	S. & W.	2	220
30	"	"	W.	<i>None</i>	100
31	"	"	W.	"	100
32	"	"	E.	"	115
33	"	"	E.	"	97
34	"	"	E. & S.	"	121
36	North	1	W.	"	130
38	"	"	E.	"	130
40	"	2	W.	"	115
41	"	"	W.	"	115
43	"	"	W. & N.	2	250
44	"	"	E. & N.	<i>None</i>	121
45	"	"	E.	"	106
46	"	"	E.	"	106
47	"	3	W.	"	106
48	"	"	W.	"	106
50	"	"	W. & N.	2	240
51	"	"	E. & N.	<i>None</i>	115
52	"	"	E.	"	100
53	"	"	E.	"	100
54	"	4	W.	"	100
55	"	"	W.	"	100
57	"	"	W. & N.	2	210
58	"	"	E. & N.	<i>None</i>	115
59	"	"	E.	"	97
60	"	"	E.	"	97

## MAXCY HALL

<i>No.</i>	<i>Floor</i>	<i>Windows face</i>	<i>Rent</i>
201	2	E.	\$110
202	"	"	140
203	"	E. & S.	140
204	"	W. & S.	135
205	"	W.	135
206	"	"	135
207	"	"	135
208	"	"	135
209	"	W. & N.	135
210	"	E. & N.	140
211	"	E.	140
212	"	"	140
313	3	"	140
314	"	"	140
315	"	E. & S.	140
316	"	W. & S.	135
317	"	W.	135
318	"	"	135
319	"	"	135
320	"	"	135
321	"	W. & N.	135
322	"	E. & N.	140
323	"	E.	140
324	"	"	140
425	4	"	140
426	"	"	140
427	"	E. & S.	140
428	"	W. & S.	135
429	"	W.	135
430	"	"	135
431	"	"	135
432	"	"	135
433	"	W. & N.	135
434	"	E. & N.	140
435	"	E.	140
436	"	"	140

## COLLEGE STREET HOUSE

1	2	E.	100
2	"	W. & N.	125
3	"	E. & S.	150
4	"	S. & W.	140
5	"	S.	100

## BROWN UNIVERSITY

## SLATER HALL

<i>No.</i>	<i>Division</i>	<i>Floor</i>	<i>Windows face</i>	<i>Bedrooms</i>	<i>Rent</i>
1	South	1	E. S. & W.	2	\$260.00
2	"	"	E. & W.	1	200.00
3	"	2	E. S. & W.	2	260.00
4	"	"	E. & W.	2	245.00
5	"	3	E. S. & W.	2	250.00
6	"	"	E. & W.	2	245.00
7	"	4	E. S. & W.	1	175.00
8	"	"	W.	1	194.00
9	"	"	"	"	194.00
10	North	1	E. & W.	2	269.50
11	"	"	E. W. & N.	2	269.50
12	"	2	E. & W.	2	269.50
14	"	"	W. N. E.	2	286.00
15	"	3	W. & E.	2	264.00
17	"	"	W. N. E.	2	275.00
18	"	4	E. & W.	1	206.80
19	"	"	"	"	206.80
20	"	"	W. N. E.	1	176.00

## CASWELL HALL

1	North	1	E. N. & W.	1	\$425
2	"	"	E. & W.	1	400
3	"	2	E. N. & W.	2	425
4	"	"	E. & W.	2	400
5	"	3	E. N. & W.	2	425
6	"	"	E. & W.	2	400
7	"	4	E. & N.	None	195
8	"	"	W. & N.	"	195
9	"	"	W.	"	165
10	"	"	E.	"	165
11	Middle	1	"	"	175
12	"	"	W.	"	175
13	"	"	"	"	175
14	"	"	E.	"	175
15	"	2	"	"	185
16	"	2	W.	"	185
17	"	"	"	"	185
18	"	"	E.	"	185
19	"	3	"	"	185
20	"	"	W.	"	185
21	"	"	"	"	185
22	"	"	"	"	185
23	"	4	E.	"	165
24	"	"	W.	"	165
25	"	"	"	"	165
26	"	"	E.	"	165
27	South	1	E. & W.	1	400
28	"	1	E. S. & W.	1	425

CASWELL HALL (*continued*)

<i>No.</i>	<i>Division</i>	<i>Floor</i>	<i>Windows face</i>	<i>Bedrooms</i>	<i>Rent</i>
29	South	2	E. & W.	2	400
30	"	"	E. S. & W.	2	425
31	"	3	E. & W.	2	400
32	"	"	E. S. & W.	2	425
33	"	4	E.	<i>None</i>	165
34	"	"	W.	"	165
35	"	"	W. & S.	"	195
36	"	"	E. & S.	"	195

## DIRECTORY TO THE DORMITORIES

College Street House, Rooms 1 to 5.

Hope College, South Division, Rooms 1 to 16.

Hope College, Middle Division, Rooms 17 to 32.

Hope College, North Division, Rooms 33 to 48.

Maxey Hall, Rooms 201 to 436.

Slater Hall, South Division, Rooms 1 to 9.

Slater Hall, North Division, Rooms 10 to 20.

University Hall, South Division, Rooms 1 to 34.

University Hall, North Division, Rooms 35 to 61.

Caswell Hall, North Division, Rooms 1 to 10.

Caswell Hall, Middle Division, Rooms 11 to 26.

Caswell Hall, South Division, Rooms 27 to 36.

## SUMMARY OF STUDENTS

### UNDERGRADUATE MEN

Seniors	122
Juniors	133
Sophomores	158
Freshmen	162
Special Students	55
Total	<hr/> 630

### THE WOMEN'S COLLEGE

Seniors	41
Juniors	32
Sophomores	39
Freshmen	44
Special Students	29
Total	<hr/> 185

### GENERAL SUMMARY

Graduates	107
Undergraduate Men	630
Women's College	185
	<hr/> 922
Deduct for names counted twice	7
Total	<hr/> 915



# DIRECTORY OF OFFICERS AND STUDENTS

The addresses given are in Providence, unless otherwise stated. If an officer is on leave of absence for the year, his name is bracketed. The following abbreviations are used: *Fr.* = Freshman; *So.* = Sophomore; *Jr.* = Junior; *Sr.* = Senior; *Sp.* = Special Student; *Gr.* = Graduate Student; *W.* = Women's College; *J. C. B. L.* = John Carter Brown Library.

<b>A</b> BERCROMBIE, D. W., <i>Trustee</i>	<i>Worcester Academy, Worcester, Mass.</i>
Abercrombie, D. W., Jr., <i>Fr.</i>	Slater 10
Adams, Miss B. L., <i>Gr.</i>	Riverpoint, R. I.
Adams, M. L., <i>W. Sr.</i>	133 Mitchell St.
Adams, W., <i>So.</i>	University 43
Affleck, M. H. S., <i>Sr.</i>	4 Manning St.
Albee, K. F., <i>Fr.</i>	Caswell 4
Aldrich, J. M., <i>Fr.</i>	University 54
Alger, J. H., <i>So.</i>	Brunonia 8
Allen, D. J., <i>Jr.</i>	Hope 6
Allen, L. B., <i>W. Sr.</i>	76 Pitman St.
Allen, R. D., <i>Fr.</i>	Hope 11
Allen, G. M., <i>W. Fr.</i>	50 Turner Ave., Riverside, R. I.
ALLINSON, F. G., <i>Professor</i>	163 George St.
ALLINSON, Mrs. F. G., <i>Advisory Council, W.</i>	163 George St.
Almy, M. A., <i>Fr.</i>	University 13
Anderson, F. M., <i>Sr.</i>	University 13
ANDERSON, T. D., <i>Sec'y of Corporation</i>	379 State St., Albany, N. Y.
Anthony, L., <i>W. Sp.</i>	West Barrington, R. I.
Anthony, W. C., <i>Fr.</i>	Maxcy 431
Appleton, Miss A., <i>Gr.</i>	209 Angell St.
APPLETON, J. H., <i>Professor</i>	209 Angell St.
ARNOLD, Dr. JEANNIE O., <i>Medical Examiner, W.</i>	101 Brown St.
Arnold, E. B., <i>Fr.</i>	Maxcy 319
Arnold, M. W., <i>W. Jr.</i>	Touisset, R. I.
ATWATER, R. M., <i>Trustee</i>	Chadds Ford, Pa.
Atwood, C. W., <i>Fr.</i>	Hope 38
Austin, C. R., <i>Gr.</i>	122 Doyle Ave.
Auty, F. S., <i>Jr.</i>	Edgewood, R. I.
Ayer, T. P., <i>So.</i>	University 26
Ayler, H. R., <i>So.</i>	82 Bates St.

Babcock, D. S., <i>Fr.</i>	4 Manning St.
Babcock, F. H., <i>Sr.</i>	126 Waterman St.
Babcock, G. W., <i>So.</i>	University 46
Babcock, H. P., <i>So.</i>	4 Manning St.
Baber, J. A., <i>Gr.</i>	Huntingdon, Tenn.
Bailey, E. S., <i>Sp.</i>	Brunonia 3
BAILEY, W. W., <i>Professor Emeritus</i>	6 Cushing St.
Baker, C. E., <i>W. So.</i>	48 Pekin St.
Baker, F. L., <i>W. Sp.</i>	139 Chester Ave.
Baldwin, B. E., <i>W. Jr.</i>	150 Pitman St.
Baldwin, J., <i>W. Jr.</i>	150 Pitman St.
Ballou, W. J., <i>Gr.</i>	Hudson, N. H.
Banfield, F. E., Jr., <i>Ph.B., Sr., Gr.</i>	Brunonia 6
Bannan, J. T., <i>Sr.</i>	University 50
Bannon, L. M., <i>Sr.</i>	Hope 14
BARBOUR, T. S., <i>Trustee</i>	<i>Tremont Temple</i> , Boston, Mass.
Barnicoat, J. T., Jr., <i>Sr.</i>	1337 Eddy St.
Barrett, G. H., <i>Fr.</i>	University 45
Barrett, H. L., <i>So.</i>	Slater 8
BARUS, C., <i>Professor, Dean of Graduate Department</i>	30 Elmgrove Ave.
BARUS, Mrs. C., <i>Advisory Council, W.</i>	30 Elmgrove Ave.
Barus, M., <i>Fr.</i>	30 Elmgrove Ave.
Bass, A. M., <i>W. Sr.</i>	66 Benefit St.
Bass, Miss C. R., <i>Gr.</i>	66 Benefit St.
Bassett, L. M., <i>W. Fr.</i>	150 Pitman St.
Bates, H. C., <i>Fr.</i>	55 Bainbridge Ave.
Bathey, J. E., <i>Fr.</i>	Hope 20
Baugh, J. H., <i>Sr.</i>	Maxcy 427
Baylies, Miss S. H., <i>Gr.</i>	35 Charles Field St.
BEATTIE, F. S., <i>Assistant</i>	Hope 48
Beattie, M. L., <i>W. So.</i>	53 Elton St.
Beckwith, I. J., <i>Gr.</i>	<i>38 Trevor Hall</i> , Rochester, N. Y.
Beeber, S. J., <i>Jr.</i>	Caswell 12
Bellows, S. R., <i>Sr.</i>	Slater 18
BENEDICT, G. W., <i>Associate Professor</i>	16 John St.
Bennett, C. B., <i>Gr.</i>	113 East Manning St.
Bennett, M. E., <i>W. Sp.</i>	113 East Manning St.
Bennett, R. K., <i>So.</i>	Hope 28
Beytes, L. H., <i>So.</i>	University 16
Bichwit, W., <i>So.</i>	7 West Park St.
Bitting, W. C., Jr., <i>Jr.</i>	54 College St.
Blackburn, L. A., <i>W. Sr.</i>	<i>70 Washington St.</i> , Central Falls, R. I.
Blackburn, W. A., <i>Fr.</i>	Hope 45
BLANCHARD, A. H., <i>Associate Professor</i>	62 University Ave.

Blanchard, L. M., <i>W. So.</i>	66 Benefit St.
Blessing, A. M., <i>W. Sr.</i>	232 Pearl St.
Bliss, J. E., <i>Fr.</i>	41 Hawes St.
Blodgett, G., <i>W. Fr.</i>	145 Lloyd Ave.
Blount, S. G., <i>Fr.</i>	Caswell 11
Boardman, J., Jr., <i>Sr.</i>	Brunonia 13
Boardman, E. M., <i>W. Fr.</i>	112 Ring St.
Boas, R. P., <i>Jr.</i>	Brunonia 6
Bogle, I. W., <i>So.</i>	University 57
Boig, A. F., <i>Fr.</i>	300 Williams St.
Bonn, Miss M. H., <i>Gr.</i>	12 Spencer St.
Bosworth, C. W., <i>So.</i>	Hope 6
Bourne, D., <i>W. Fr.</i>	Pontiac, R. I.
Bourne, L. A., <i>W. Jr.</i>	100 Taber Ave.
Bowne, C. B., <i>Fr.</i>	Slater 15
Boyce, F. M., <i>So.</i>	72 College St.
Brady, W. A., <i>Gr.</i>	Narragansett Pier, R. I.
Branch, C. R., <i>Sr.</i>	54 College St.
Brant, L. C., <i>W. Jr.</i>	61 Wilson St.
Brant, R. E., <i>W. Jr.</i>	61 Wilson St.
Brennan, E. J., <i>Sr.</i>	81 Hope St.
Brett, A. L., <i>Fr.</i>	Maxcy 317
Briggs, A. S., <i>Sr.</i>	Slater 12
Briggs, C. W., Jr., <i>Sp.</i>	Caswell 5
BRIGHTMAN, C. S., <i>Archivist</i>	95 Waterman St.
Bright, W. E., <i>Sr.</i>	Brunonia 5
Brightman, C. L., <i>So.</i>	72 College St.
BRIGHTMAN, E. S., <i>Instructor</i>	Caswell 29
Bronson, Mrs. E. S., <i>Gr.</i>	232 Brown St.
BRONSON, W. C., <i>Professor</i>	232 Brown St.
BROOKS, A., <i>Assistant Professor</i>	39 Benevolent St.
BROOKS, F. E., <i>Trustee</i> 1324 North Nevada Ave.,	Colorado Springs, Col.
Brown, A. D., <i>Sr.</i>	Hope 13
Brown, A. G., <i>W. So.</i>	26 Rhode Island Ave.
Brown, A. R., <i>W. Fr.</i>	R. F. D. 4, Attleboro, Mass.
BROWN, C. W., <i>Assistant Professor</i>	125 Lloyd Ave.
Brown, H. E., <i>W. Fr.</i>	24 Emery St., Attleboro, Mass.
Brown, Mrs. G. M., <i>W. Sp.</i>	66 Moore St.
Brown, H. L., <i>Sr.</i>	100 Waterman St.
Brown, H. P., <i>So.</i>	Hope 41
Browne, F. E., <i>W. So.</i>	12 Arch St.
Browne, W. W., <i>Jr.</i>	Caswell 15
Bruce, A. G., <i>Sr.</i>	University 31
Bruce, H. D., <i>Sr.</i>	100 Waterman St.

BUCHER, J. E., <i>Associate Professor</i>	35 Humboldt Ave.
Bucher, W. H., <i>Sp.</i>	23 Weybosset St.
Buck, H. J., <i>W. Fr.</i>	Mansfield, Mass.
Buckey, H. M., <i>W. Fr.</i>	119 Cross St., Central Falls, R. I.
Buckley, G. A., <i>Sr.</i>	University 50
Bucklin, H. S., <i>Fr.</i>	Hope 11
Buddington, O. W., <i>Jr.</i>	Hope 30
Budlong, F. R., <i>So.</i>	Slater 11
Buffum, F. H., Jr., <i>Fr.</i>	12 Franklin St.
Buffum, W. P., Jr., <i>So.</i>	Slater 11
Bugbee, S. R., <i>So.</i>	Hope 42
BUMPUS, H. C., <i>Fellow Am. Museum of Nat. History,</i>	New York, N. Y.
Bunker, J. W. M., <i>So.</i>	Caswell 25
Bunting, E. J., <i>Jr.</i>	Maxey 432
Burbank, P., <i>So.</i>	65 College St.
Burbank, R. T., <i>Jr.</i>	65 College St.
Burge, D. B., <i>W. Sp.</i>	184 Albert Ave., Edgewood
Burgess, R. W., <i>So.</i>	Hope 46
BURLINGAME, E. A., <i>Supt. Grounds and Buildings</i>	359 Brook St.
Burnham, G. E., <i>Sr.</i>	Hope 27
BURNHAM, J. M., <i>Assistant Librarian</i>	60 Stewart St.
Burnham, W. H., <i>Jr.</i>	65 College St.
Burnham, W. P., <i>Sr.</i>	Slater 3
Burnside, A. E., <i>W. Fr.</i>	264 Prospect St., Pawtucket, R. I.
Burr, H. C., <i>Fr.</i>	Hope 15
BURRAGE, H. S., <i>Fellow</i>	Togus, Me.
Burton, A. I., <i>W. So.</i>	1121 Main St., Pawtucket, R. I.
Burton, E. A., <i>So.</i>	41 Angell St.
Burton, W. W., <i>Gr.</i>	1121 Main St., Pawtucket, R. I.
Bushell, A. W., <i>Sr.</i>	Hope 11
Bushell, M. K., <i>W. Fr.</i>	617 Hope St.
Bushnell, L. E., <i>Jr.</i>	Hope 9
Buss, R., <i>So.</i>	Hope 26
Butler, N. L., <i>W. So.</i>	312 Public St.
Butler, W. H., <i>So.</i>	University 25
Butterworth, C. F., <i>So.</i>	University 52
CADY, H. D., <i>Instructor</i>	Warren, R. I.
Cameron, H. F., <i>So.</i>	Hope 42
Cameron, W. C., <i>Fr.</i>	70 Blaisdell St.
Campbell, G., <i>Sr.</i>	Hope 19
Campbell, G. H., <i>So.</i>	University 36
Canfield, J. G., <i>Jr.</i>	35 South Angell St.
Carder, E. C., <i>Sr.</i>	Hope 4

Carley, E. K., <i>So.</i>	Caswell 15
Carnes, M. A., <i>W. Sr.</i>	281 Williams St.
Carpenter, A. C., <i>W. So.</i>	Manton, R. I.
Carpenter, G. W. G., <i>Sp.</i>	199 Greenville Ave., Manton, R. I.
Carpenter, H. G., <i>Gr.</i>	University 30
Carret, F. W., <i>Jr.</i>	Caswell 7
Carroll, G. W., Jr., <i>Jr.</i>	4 Manning St.
Case, B. C., <i>Fr.</i>	127 Benefit St.
Case, M. W., <i>W. Sr.</i>	53 Grove St.
Case, N. S., <i>Jr.</i>	100 Waterman St.
Cate, E. A., <i>W. Sp.</i>	158 Elmwood Ave.
Cawley, A. G., <i>W. Sp.</i>	198 Juniper St., East Providence
CHACE, A. B., <i>Trustee</i>	324 Angell St.
Chace, A. M., <i>So.</i>	University 34
CHACE, J., <i>Trustee</i>	Valley Falls, R. I.
Chadwell, O., <i>Fr.</i>	Caswell 33
Chafee, H. S., <i>Sp.</i>	Slater 11
Chafee, Z., Jr., <i>Sr.</i>	54 College St.
Chambers, R. F., <i>So.</i>	Slater 5
Champlin, M. D., <i>So.</i>	Slater 5
Chandler, E. L., <i>So.</i>	Hope 38
CHANDLER, H. E., <i>Assistant</i>	71 Doyle Ave.
Chapin, H. M., <i>Jr.</i>	54 College St.
Chase, N. G., <i>So.</i>	Hope 38
Chase, Miss W. F., <i>Gr.</i>	34 Pratt Street
Chen, J., <i>So.</i>	Maxcy 315
Cheney, G. W., <i>Sr.</i>	University 10
Chichester, F. I., <i>Jr.</i>	Slater 17
Childs, G. M., <i>W. Jr.</i>	66 Benefit St.
Chipman, P. L., <i>Jr.</i>	Caswell 22
Chou, T., <i>So.</i>	Maxcy 315
Christie, C. I., <i>Fr.</i>	Caswell 6
Church, G. E., <i>Gr.</i>	43 Adelaide Ave.
Church, J., Jr., <i>So.</i>	Caswell 12
Claflin, A. W., <i>Gr.</i>	Hope 33
Clark, Mrs. A. C., <i>W. Sr.</i>	134 Benefit St.
Clark, D. G., <i>So.</i>	Hope 19
Clark, E. W., <i>W. Sp.</i>	167 Arlington Ave.
Clark, G. M., <i>W. Sr.</i>	44 Pitman St.
Clark, H. G., <i>Sr.</i>	Slater 20
Clark, L. F., <i>Fr.</i>	33 Angell St.
Clark, P. F., <i>Gr.</i>	167 Armington Ave.
CLARK, T., <i>Assistant Registrar</i>	134 Benefit St.
CLARKE, B. F., <i>Professor Emeritus and Trustee</i>	89 Brown St.

- Clarke, R. B., *Jr.*  
 Clarke, R. I., *Fr.*  
 Cleveland, J. A., *Fr.*  
 Clough, H. D., *So.*  
 Cobb, H. A., *Jr.*  
 Coffin, B. G., *W. Jr.*  
 Coffin, H. R., *Fr.*  
 Coffin, I. H., *Jr.*  
 Coffin, Miss L. M., *Gr.*  
 Coker, R., *So.*  
 Colas, A., *Fr.*  
 COLBY, E., *Trustee*  
 Colby, E. W., *Fr.*  
 COLBY, G., *Trustee*  
 Cole, E. R., *W. Jr.*  
 Cole, M. S., *W. Sr.*  
 Collingwood, J. C., *Fr.*  
 Collins, C. J., *W. Fr.*  
 Collins, E. L., *Fr.*  
 COLLINS, G. L., *Trustee*  
 Collins, H. W., *Sr.*  
 COLLINS, J. F., *Assistant Professor*  
 Collins, A. R., *W. Sp.*  
 Colmetz, R. A., *So.*  
 Compton, S. E., *Sr.*  
 Comstock, A. B., *Fr.*  
 Conant, M. F., *Fr.*  
 Congdon, H. W., *Gr.*  
 Conklin, E. B., *Jr.*  
 Conley, R. P., *Sp.*  
 Connell, W. M., *Sp.*  
 Connolly, J. G., *So.*  
 Conroy, W. M., *So.*  
 Cook, A. F., *W. Fr.*  
 Cook, H. F., *So.*  
 Cooney, J. J. A., *Jr.*  
 Copeland, H., *Fr.*  
 Cordery, C. L., *Jr.*  
 Corp, H. W., *Sr.*  
 Corp, F. J., *W. Fr.*  
 Cosgrove, L. R., *W. Fr.*  
 Coss, B. C., *So.*  
 Covell, P. B., *Sr.*  
 COVELL, Mrs. M. E. C., *Assistant Librarian, J. C. B. L.*
- Caswell 11  
 Caswell 26  
 Maxcy 313  
 Maxcy 428  
 54 College St.  
 34 Pratt St.  
 Hope 32  
 Caswell 7  
*Hartford Ave.*, Johnston, R. I.  
 Hope 3  
 Caswell 32  
*Llewellyn Park*, Orange, N. J.  
 Hope 21  
 7 Wall St., New York, N. Y.  
 Warren, R. I.  
 59 Keene St.  
 Slater 17  
 160 Doyle Ave.  
 Slater 10  
 223 Benefit St.  
 University 10  
 468 Hope St.  
 118 Broad St.  
 118 Rutherglen Ave.  
 University 58  
 University 27  
 Caswell 1  
 272 Dudley St.  
 Hope 43  
 Slater 4  
 7 Henry St., Edgewood, R. I.  
 42 Cleveland St., Pawtucket, R. I.  
 64 Johnson St., Fall River, Mass.  
 Georgiaville, R. I.  
 University 16  
 University 36  
 Caswell 14  
 Hope 20  
 Caswell 11  
 308 Orms St.  
 87 Benefit St.  
 Hope 5  
 179 Elmwood Ave.  
 32 John St.

Cowell, F. B., <i>Sp.</i>	University 36
Crapo, B. M., <i>W. Sr.</i>	32 Vernon St.
Crapon, E. R., <i>W. Sr.</i>	41 Charles Field St.
Crawshaw, H. F., <i>W. So.</i>	121 Whittier Ave.
Creelman, A. D., <i>Fr.</i>	58 College St.
Cristy, A. M., <i>So.</i>	102 Wayland Ave.
CROSBY, T., <i>Assistant Professor</i>	Brunonia 7
Cross, E. B., <i>Gr.</i>	265 Doyle Ave.
Crossley, F. A., <i>W. So.</i>	1428 Broad St.
Crossley, M. L., <i>Sp.</i>	Hope 7
CROWELL, A. C., <i>Associate Professor</i>	345 Hope St.
Crowell, M., <i>W. So.</i>	7 Miller St., Warren, R. I.
Cull, J. H., <i>Fr.</i>	433 Huntington Ave.
Curley, R. S., <i>Sr.</i>	Brunonia 10
Curran, J. L., <i>Sr.</i>	10 Burnside St.
CURRIER, C. H., <i>Instructor</i>	University 17
Curry, E. J., <i>Gr.</i>	Hillsgrove, R. I.
Curtis, H. R., <i>So.</i>	Hope 17
Curtis, M. S., <i>Sr.</i>	Slater 3
Cushing, S. W., <i>Gr.</i>	Brockton, Mass.
Damon, H. C., <i>Fr.</i>	Hope 20
[DAMON, L. T.], <i>Professor</i>	125 Lloyd Ave.
Davis, C. A., <i>Gr.</i>	1131 Elmwood Ave.
Davis, G. W., <i>Sr.</i>	Hope 17
DAVIS, N. F., <i>Professor</i>	159 Brown St.
Dawley, E. P., <i>Fr.</i>	University 26
DEALEY, J. Q., <i>Professor</i>	872 Hope St.
Dean, J. D., <i>So.</i>	Slater 3
Dean, M. E., <i>W. Fr.</i>	184 Meeting St.
Deckard, W. W., <i>Gr.</i>	116 Gladstone St., Arlington, R. I.
Degnan, K. H., <i>W. Fr.</i>	36 Chester Ave.
DELABARRE, E. B., <i>Professor</i>	9 Arlington Ave.
Delaney, C. C., <i>W. So.</i>	32 Garden St., Pawtucket, R. I.
DeMeritt, E. B., <i>Sr.</i>	Caswell 8
Dennett, R. N., <i>Sr.</i>	100 Waterman St.
Dennie, F. E., <i>So.</i>	University 51
Densmore, A. J., <i>Jr.</i>	Hope 1
Densmore, G. A., <i>So.</i>	Hope 1
Denton, A. L., <i>Jr.</i>	Hope 5
Devenish, Miss U. H., <i>Gr.</i>	10 Adelphi Ave.
Devoll, W. O., Jr., <i>Sr.</i>	Slater 1
Dexter, R. A., <i>W. So.</i>	46 Washington St., Central Falls, R. I.
Dickinson, A. W., <i>Sr.</i>	Brunonia 1

Dillon, P. E., <i>Jr.</i>	University 50
Diman, M., <i>W. So.</i>	66 Benefit St.
Dixon, J. P., <i>Jr., So.</i>	Hope 12
Dobler, L. T., <i>W. Fr.</i>	126 Lippitt St.
Dodge, W. P., <i>So.</i>	4 Manning St.
DOLT, M. L., <i>Assistant</i>	University 21
Donahoe, J. B., <i>Fr.</i>	Maxcy 207
Donovan, N. V., <i>W. Sr.</i>	14 Sterry St., Pawtucket, R. I.
Dorrance, H. L., <i>Sr.</i>	4 Manning St.
DOUGLAS, W. W., <i>Trustee</i>	121 George St.
DOUGLASS, Miss J. M., <i>Cataloguer</i>	46 Olive St.
Dove, W. W., <i>Sp.</i>	139 Lexington Ave.
Downing, D. F., <i>Gr.</i>	West Newton, Mass.
DOYLE, Miss S. E., <i>Advisory Council, W.</i>	119 Prospect St.
Draper, A. D., <i>Fr.</i>	University 10
Dugan, W. M., <i>Sr.</i>	Hope 3
Duncan, C. E., <i>Fr.</i>	Hope 46
Dwyer, W. J., <i>Fr.</i>	90 Newark St.
Eaton, A. B., <i>W. Jr.</i>	701 Smith St.
Eaton, E. M., <i>W. So.</i>	66 Benefit St.
Eddy, L. C., <i>Sr.</i>	54 College St.
Eddy, Miss O. B., <i>Gr.</i>	Riverside, R. I.
Ede, H. R., <i>So.</i>	Brunonia 1
Edgecomb, F. A., <i>Jr.</i>	Hope 13
Edmonds, D. W., <i>Jr.</i>	291 Thayer St.
Edmundson, H. B., <i>So.</i>	Caswell 15
Edwards, H. M., <i>Sp.</i>	Caswell 2
EDWARDS, J., <i>Assistant, Ladd Observatory</i>	210 Doyle Ave.
EDWARDS, S. O., <i>Trustee</i>	181 Lloyd Ave.
Ehle, V., <i>Jr.</i>	Hope 18
Ehmke, H. A., <i>So.</i>	Hope 18
Elliot, L. S., <i>So.</i>	Hope 34
Ellis, G. M., <i>W. Jr.</i>	66 Benefit St.
Ellis, H. L., <i>Fr.</i>	Hope 44
Elrod, R. L., <i>Sr.</i>	Hope 2
Emmel, V. E., <i>Gr.</i>	University 38
ENGLANDER, H., <i>Assistant</i>	181 Reynolds Ave.
Enos, J. S., <i>Sr.</i>	University 45
Evans, A. R., <i>Jr.</i>	Maxcy 205
Evans, M. K., <i>W. Sp.</i>	173 Waterman St.
Evans, N. M., <i>W. So.</i>	66 Benefit St.
Everett, K., <i>W. Jr.</i>	219 Lowell Ave.
Everett, P. E., <i>So.</i>	Brunonia 16



EVERETT, W. G., <i>Professor</i>	116 Governor St.
Everson, E. W., <i>So.</i>	49 Burrows St.
Fales, J. R., <i>Fr.</i>	Caswell 3
Fanning, K., <i>W. Sp.</i>	95 Penn St.
Farnsworth, A., <i>Fr.</i>	University 41
Farnum, Miss M., <i>Gr.</i>	112 Bridgham St.
Farnum, R. B., <i>Fr.</i>	132 Bridgham St.
Farrington, J., <i>Sp.</i>	77 Vinton St.
Farwell, A. P., <i>Fr.</i>	236 Academy Ave.
FAUNCE, W. H. P., <i>President</i>	180 Hope St.
Fearney, F. A., <i>Jr.</i>	940 Broad St.
Fenn, M. E., <i>Jr.</i>	University 18
Fenner, R. E., <i>Fr.</i>	Maxcy 319
Ferrier, J. M., <i>Gr.</i>	285 Union Ave.
Field, R. F., <i>Gr.</i>	25 Wilson St.
Field, M. S., <i>Fr.</i>	University 57
Fleckhamer, A. L., <i>Fr.</i>	157 Jewett St.
Fletcher, E. B., <i>W. Sp.</i>	1420 Westminster St.
Follansbee, E. M. H., <i>So.</i>	Brunonia 3
Foote, J. A., <i>So.</i>	Maxcy 205
Ford, F., <i>Sr.</i>	106 Bates St.
Forrist, J. H., <i>Fr.</i>	163 Reynolds Ave.
Foster, E. L., <i>W. Sp.</i>	71 Charles Field St.
Foster, F. A., <i>W. So.</i>	87 Williams St.
Foster, R. L., <i>W. Jr.</i>	87 Williams St.
Fowler, C., Jr., <i>Sr.</i>	54 College St.
Fowler, H. E., <i>So.</i>	University 26
FOWLER, H. T., <i>Professor</i>	127 Lloyd Ave.
Fowler, L. M., <i>W. Jr.</i>	20 Bridgham St.
Fraser, J. J., <i>Sp.</i>	Brunonia 6
Fraser, L. E., <i>W. Sp.</i>	6 Hamlin St.
Frazee, V., <i>Gr.</i>	East Greenwich, R. I.
Freeman, W. B., <i>Fr.</i>	University 18
French, A. W., <i>Sr.</i>	Maxcy 206
Frohoek, E. P., <i>Fr.</i>	University 30
Frost, B. R., <i>Jr.</i>	Brunonia 8
Frost, H. M., <i>Fr.</i>	Caswell 24
Frost, M. G., <i>W. Fr.</i>	301 Knight St.
FULTON, F. T., <i>Instructor</i>	169 Angell St.
Funk, H. C., <i>Sr.</i>	Brunonia 1
Gager, W. M., <i>Jr.</i>	147 Wentworth Ave.
Gallagher, S. N., <i>W. Sp.</i>	East Greenwich, R. I.
Gallup, D. T., <i>Sr.</i>	100 Waterman St.

GAMMELL, R. I., <i>Trustee</i>	50 South Main St.
Gammons, E. H., Jr., <i>Sp.</i>	Hope 25
Gannon, W. E., <i>Fr.</i>	Caswell 20
Gardner, C., <i>So.</i>	Hope 18
Gardner, F. A., <i>Fr.</i>	Slater 17
Gardner, F. P., <i>Sp.</i>	Maxcy 208
GARDNER, H. B., <i>Professor</i>	54 Stimson Ave.
GASKILL, F. A., <i>Fellow</i>	116 Lincoln St., Worcester, Mass.
Gatie, B. A., <i>W. Sr.</i>	184 Meeting St.
Gillespie, L. J., <i>Jr.</i>	University 4
Gindele, H. E., <i>W. Fr.</i>	80 Spring St., Pawtucket, R. I.
Ginnel, H., <i>So.</i>	4 Manning St.
Gleason, R. R., <i>Jr.</i>	Hope 21
GODDARD, R. H. I., <i>Fellow</i>	50 South Main St.
GODDARD, W., <i>Chancellor</i>	50 South Main St.
Goff, I. N., Jr., <i>Jr.</i>	Hope 33
Gordon, E. R., <i>Sr.</i>	Hope 23
GORHAM, F. P., <i>Associate Professor</i>	151 Meeting St.
Gorman, A., <i>So.</i>	Caswell 12
Gorman, J. L., <i>So.</i>	65 College St.
Gorman, M. A., <i>W. Jr.</i>	16 Comstock Ave.
Gould, R. K., <i>Fr.</i>	72 College St.
Grammont, Miss B. B., <i>Gr.</i>	21 Arch St.
GREEN, T. F., <i>Trustee</i>	15 Westminster St.
Greene, A. W., <i>So.</i>	University 33
Greene, C. A., <i>Jr.</i>	54 College St.
Greene, E. A., <i>Sp.</i>	100 Waterman St.
GREENE, J. F., <i>Assistant Professor</i>	Seekonk, Mass.
Greene, W. W., <i>Fr.</i>	University 53
Gregg, M. L., <i>Gr.</i>	1284 Elmwood Ave.
Griffith, C. H., <i>Jr.</i>	Hope 37
Grimshaw, I. M., <i>W. Sr.</i>	184 Meeting St.
Grinnell, C. L., <i>Jr.</i>	Caswell 29
GROSE, H. B., Jr., <i>Instructor</i>	Caswell 30
Grose, L. R., <i>Jr.</i>	Caswell 30
Grover, J. I., <i>Sr.</i>	Caswell 19
GUILD, F. T., <i>Registrar</i>	9 Oriole Ave.
Guile, M. E., <i>W. Sp.</i>	31 Burnett St.
Gurney, A. H., <i>Sr.</i>	100 Waterman St.
Gurney, K. C., <i>W. Sp.</i>	27 East Manning St.
Gyllenberg, I. A., <i>W. So.</i>	78 Mitchell St.
Haake, C. H. G., <i>Fr.</i>	Caswell 6
Hadley, H. J. P., <i>Jr.</i>	65 College St.

Hadley, P. B., <i>Gr.</i>	Rhode Island Hall
Hadley, R. V., <i>Sr.</i>	University 19
Hagood, G. M., <i>W. Sr.</i>	66 Benefit St.
Hague, E. M., <i>W. So.</i>	Cumberland Hill, R. I.
Haight, A. V., <i>Sr.</i>	Slater 14
Hall, Miss G. E., <i>Gr.</i>	68 Lloyd Ave.
Hall, J. A., <i>Jr.</i>	Hope 5
Hall, M. I., <i>W. Jr.</i>	31 Pocasset Ave.
Hall, M. W., <i>W. Fr.</i>	<i>High Service Ave., North Providence, R. I.</i>
Hallborg, H. E., <i>Sr.</i>	Brunonia 10
Ham, A. M., <i>Fr.</i>	Maxcy 208
Hamilton, J., <i>Sr.</i>	University 43
Hamlin, C. M., <i>Sr.</i>	Hope 2
Hardy, C. S., <i>So.</i>	Caswell 3
HARKNESS, A., <i>Professor Emeritus and Fellow</i>	101 Prospect St.
Harkness, A., 2d, <i>So.</i>	Slater 11
HARKNESS, A. G., <i>Professor</i>	7 Cooke St.
Harrigan, D. J., <i>So.</i>	38 Benevolent St.
Harris, H. E., <i>Sr.</i>	Caswell 25
Harris, Walter Herman, <i>So.</i>	286 Thayer St.
Harson, J. L., <i>Gr.</i>	272 Gano St.
Hart, W. A., <i>Gr.</i>	Hingham, Mass.
Hartigan, J. P., <i>Fr.</i>	178 Richmond St.
HASTINGS, H. W., <i>Assistant</i>	Caswell 31
Hartwell, M. H., <i>W. Sp.</i>	77 Parade St.
Harvey, J. H., <i>Sp.</i>	75 Olive St.
Hatch, F. E., <i>W. Jr.</i>	5 Harrison St.
Hatch, W. E., <i>Sr.</i>	Hope 41
Hathaway, C. M., <i>Jr.</i>	Maxcy 428
Havens, C. E., <i>So.</i>	Maxcy 207
Hazard, J. O., <i>Jr.</i>	Hope 7
HAZARD, R. G., <i>Fellow</i>	Peace Dale, R. I.
Heffernan, T. L., <i>Sr.</i>	75 Belmont Ave.
Hefner, C. E., <i>W. Fr.</i>	125 Governor St.
Hempel, E. C., <i>Jr.</i>	University 36
Henderson, G. H., <i>So.</i>	Hope 14
Henderson, O. J. B., <i>Sr.</i>	Caswell 10
Henderson, W. B., <i>Fr.</i>	University 18
Henin, B. L. A., <i>Sp.</i>	University 21
Hennessey, J. C. A., <i>Fr.</i>	Maxcy 201
Henrikson, H. E., <i>Fr.</i>	University 26
Hersey, W. R., <i>Gr.</i>	148 Broad St.
Hicken, G. R., <i>Fr.</i>	38 Benevolent St.
Hicks, F. C., <i>Gr.</i>	<i>Naval War College, Newport, R. I.</i>

High, H. G., <i>So.</i>	12 Hammond St.
High, L. S., <i>Jr.</i>	12 Hammond St.
HILL, J. E., <i>Professor</i>	86 Taber Ave.
Hills, A. W., <i>Fr.</i>	65 College St.
Himes, L. W., <i>Jr.</i>	University 57
Hinton, M. I., <i>W. So.</i>	260 Orms St.
Ho, H. W., <i>So.</i>	Maxey 425
Hoffman, L. S., <i>Sr.</i>	Hope 48
Holden, A. A., <i>Gr.</i>	94 Blackstone St., Woonsocket, R. I.
Holder, R. E., <i>Gr.</i>	43 Charles Field St.
Hollen, E. J., <i>So.</i>	Hope 22
Holt, N. E., <i>Fr.</i>	Slater 14
Holt, H. M., <i>W. Jr.</i>	146 Sheldon St., Elmwood Station, R. I.
Honiss, J. R., <i>Jr.</i>	4 Manning St.
Hopkins, B. E., <i>W. Sr.</i>	73 Harrison St.
HOUR, G. E., <i>Fellow</i>	Newton Centre, Mass.
Horton, E. M., <i>Fr.</i>	Hope 44
Horton, E. S., <i>Fr.</i>	Hope 38
Howard, F. N., <i>Sr.</i>	4 Manning St.
Howard, J. D., <i>Fr.</i>	4 Manning St.
Howe, D. G., <i>Fr.</i>	Maxey 321
Howe, S. J., <i>Jr.</i>	100 Waterman St.
Howland, P. B., <i>Fr.</i>	Slater 20
Hoyle, H. L., <i>W. Sr.</i>	128 Providence St.
HOYT, C., <i>Trustee</i>	36 Wall St., New York, N. Y.
Hua, Y. P., <i>So.</i>	Maxey 202
Hubbard, C. C., <i>Jr.</i>	University 22
Hueston, R. A., <i>Jr.</i>	University 43
HUGHES, C. E., <i>Trustee</i>	56 Broadway, New York, N. Y.
Hughes, C. E., Jr., <i>So.</i>	Hope 39
HULING, R. G., <i>Trustee</i>	10 Hurlburt St., Cambridge, Mass.
HUNKINS, C. H., <i>Instructor</i>	101 Waterman St.
Hunkins, C. J., <i>Jr.</i>	University 47
Hunt, C. E., <i>Jr.</i>	Maxey 429
Hunt, C. W., <i>Gr.</i>	Moses Brown School
Hunt, H. B., <i>Jr.</i>	Hope 28
Hunt, M. B., <i>Jr.</i>	Hope 47
HUNTINGTON, H. B., <i>Assistant Professor</i>	16 Young Orchard Ave.
Huntley, W. F., <i>Sr.</i>	University 12
Huntsman, Z. F. R., <i>W. Sr.</i>	37 South Angell St.
Hurley, G., <i>Sr.</i>	100 Waterman St.
Hutchins, R. E., <i>Fr.</i>	Hope 16
Huxford, G. T., <i>So.</i>	Hope 26

Ide, S. A., <i>W. Jr.</i>	401 Benefit St.
Ingalls, W. C., Jr., <i>So.</i>	Maxcy 429
Jackson, D., <i>Sp.</i>	Slater 12
Jackson, H. K., <i>So.</i>	Slater 4
Jackson, L. S., <i>Fr.</i>	University 12
JACOBS, W. B., <i>Professor</i>	310 Olney St.
Jager, H. A., <i>Jr.</i>	462 Prairie Ave.
James, M. C., <i>Sp.</i>	Caswell 16
Jeffris, M. R., <i>Fr.</i>	Caswell 21
JENNINGS, A. J., <i>Trustee</i>	<i>Granite Block</i> , Fall River, Mass.
Jennings, L. C., <i>Jr.</i>	Slater 8
Jillson, E. T., Jr., <i>Sr.</i>	Hope 35
JOHNSON, A. B., <i>Associate Professor</i>	168 Walnut St., East Providence, R. I.
Johnson, A. M., <i>W. Sp.</i>	<i>Pontiac Ave.</i> , Eden Park
Johnson, C. R., <i>So.</i>	Maxcy 210
Johnson, H. A., <i>W. Sr.</i>	65 Bishop Ave., Rumford, R. I.
Johnson, M. K., <i>W. So.</i>	217 Regent Ave.
Johnson, W. C., <i>Fr.</i>	Hope 40
Jonas, A., <i>W. So.</i>	7 Barnes St.
JONAS, J. B. E., <i>Assistant Professor</i>	7 Barnes St.
Jones, P. D., <i>Sr.</i>	65 College St.
Jones, R. B., <i>Sr.</i>	Slater 17
Jones, R. W. D., <i>Jr.</i>	University 44
Joslin, Miss L. B., <i>Gr.</i>	184 Meeting St.
JUDSON, E., <i>Trustee</i>	53 Washington Sq., South, New York, N. Y.
Kalberg, S. M., <i>Fr.</i>	Maxcy 211
Keen, H. B., <i>Sr.</i>	Slater 14
KEEN, W. W., <i>Fellow</i>	1729 Chestnut St., Philadelphia, Pa.
Keenan, B. A., <i>So.</i>	109 Cottage St., Pawtucket, R. I.
Keenan, J. B., <i>Fr.</i>	109 Cottage St., Pawtucket, R. I.
Keith, A. H., <i>W. Jr.</i>	66 Benefit St.
KELLEN, W. V., <i>Trustee</i>	202 Commonwealth Ave., Boston, Mass.
Kelley, G. H., <i>Sp.</i>	7 Thompson St.
Kelley, H. M., <i>Sr.</i>	Brunonia 2
Kelley, M. S., <i>Jr.</i>	Caswell 19
Kemp, G. A., <i>So.</i>	University 26
Kendall, L. M., <i>Gr.</i>	Bristol, Ct.
KENERSON, W. H., <i>Associate Professor</i>	11 Hudson St.
Kennedy, W. A., <i>Sr.</i>	Hope 34
Kent, W., <i>Fr.</i>	Slater 10
Keyes, F. G., <i>Gr.</i>	110 Pond St.
Kiernan, M., <i>W. Sp.</i>	125 Governor St.
KING, C. G., Jr., <i>Trustee</i>	774 Fairmount St., Cleveland, O.

King, H. F., <i>Fr.</i>	South Scituate, R. I.
KING, H. M., <i>Trustee</i>	8 Cushing St.
KING, Miss L. S., <i>Dean, W., Assistant Professor</i>	8 Cushing St.
King, R. F., <i>So.</i>	Caswell 3
Kingsley, N. G., <i>Sp.</i>	605 Hope St.
Kinion, A. J., <i>Fr.</i>	Valley Falls, R. I.
KIRK, W., <i>Instructor</i>	102 Bowen St.
Kirley, A. J., <i>So.</i>	Caswell 3
KNIGHT, Miss A. S., <i>Advisory Council, W.</i>	366 Broadway
Knowles, C. A., <i>Fr.</i>	59 Laura St.
Knowles, J. C., <i>Sr.</i>	Slater 17
Kohler, H. L., <i>Fr.</i>	Caswell 32
KOOPMAN, H. L., <i>Librarian</i>	57 East Manning St.
Krause, M., <i>Fr.</i>	Slater 1
Kriebler, V. K., <i>Sr.</i>	Hope 8
LaBeaume, E. I., <i>Sp.</i>	54 College St.
Ladd, E. S., <i>Sp.</i>	58 College St.
Lake, A. H., <i>Jr.</i>	Caswell 13
Lake, A. L., <i>W. So.</i>	66 Benefit St.
Lake, H. B., <i>So.</i>	Hope 4
Lakey, F. E., <i>Gr.</i>	14 Craven St.
Lambert, L. K., <i>Fr.</i>	18 Jewett St.
L'Amoureux, H. D., <i>Fr.</i>	University 30
Lane, F. W., <i>Sr.</i>	Caswell 11
Lane, H. B., <i>Jr.</i>	University 58
LANGDON, C., <i>Professor</i>	86 Upton Ave.
Lapham, J. R., <i>So.</i>	8 De Foe Place
LAPHAM, O., <i>Trustee</i>	183 Waterman St.
Laraway, I. L., <i>W. So.</i>	228 Webster Ave.
Larrabee, L. L., <i>So.</i>	Hope 43
Lasker, J. H., <i>So.</i>	35 Hilton St.
LATHAM, G. W., <i>Instructor</i>	11 1-2 John St.
Laviolette, Miss M. L., <i>Gr.</i>	89 Green St., Woonsocket, R. I.
Leach, A. E., <i>Jr.</i>	Brunonia 8
Lee, E. D., <i>W. So.</i>	125 Governor St.
Lennon, W. P., <i>Sp.</i>	University 44
Lever, J. H., <i>Jr.</i>	263 Benefit St.
Levere, M. M., <i>W.</i>	363 High St., Bristol, R. I.
Lillibridge, J. W. S., <i>Jr.</i>	East Greenwich, R. I.
LINCOLN, W. E., <i>Trustee</i>	815 Amberson Ave., Pittsburg, Pa.
Little, L. S., <i>Sr.</i>	Slater 1
Littlefield, I., <i>So.</i>	102 Bowen St.
LOEPSINGER, A. J., <i>Assistant</i>	39 Atlantic Ave.

Low, C. C., <i>Jr.</i>	Caswell 23
Lowell, R. C., <i>Gr.</i>	480 Hope St.
Lowrey, H. H., <i>Fr.</i>	1176 Elmwood Ave.
Lundell, C. A., <i>Sr.</i>	420 Westminster St.
Lyall, H. W., <i>Jr.</i>	Hope 47
Lynan, A. D., <i>So.</i>	Caswell 10
Lynn, W. H., <i>Fr.</i>	27 Humboldt Ave.
Ma, T. C., <i>So.</i>	Maxcy 425
McAlister, Miss A. E., <i>Gr.</i>	56 Rand St., Central Falls, R. I.
McAuliffe, R. G., <i>W. Sr.</i>	184 Elmgrove Ave.
McCann, C. D., <i>Sr.</i>	University 50
McCanna, R. P., <i>Fr.</i>	Caswell 15
McCarthy, E. H., <i>So.</i>	188 Lippitt St.
McCarthy, F. F., <i>Fr.</i>	Maxcy 209
McCarthy, W. H., <i>Fr.</i>	Maxcy 318
McCausland, E. E., <i>W. So.</i>	115 Bowen St.
McCoy, L. A., <i>So.</i>	46 Gerald St., Pawtucket, R. I.
McCoy, O. R., <i>So.</i>	Maxcy 321
McDaniels, G. D., <i>Fr.</i>	286 Thayer St.
McDonald, J. C., <i>Jr.</i>	Hope 7
MACDONALD, W., <i>Professor</i>	450 Brook St.
McDonald, W. L., <i>Jr.</i>	Hope 7
McEvoy, C. D., <i>Sr.</i>	Hope 19
McFadden, J. B., <i>Gr.</i>	260 Lonsdale Ave., Pawtucket, R. I.
McGough, R. E., <i>Fr.</i>	Slater 6
McGreen, F. A., <i>Sp.</i>	Hope 19
McGurty, G. H., <i>Fr.</i>	Maxcy 209
McIntosh, H. S., <i>Fr.</i>	247 Doyle Ave.
McKenna, Miss E. E., <i>Gr.</i>	137 Rochambeau Ave.
McKenna, S. F., <i>W. Fr.</i>	16 Comstock Ave.
Mackenzie, J. B., <i>Jr.</i>	65 College St.
MacKenzie, K. M., <i>W. Sr.</i>	36 Waldo St., Pawtucket, R. I.
McLean, D., <i>Sp.</i>	Slater 12
McLean, J. H., <i>Sr.</i>	University 25
MACMIXX, G. R., <i>Assistant</i>	Caswell 28
McNerney, L., <i>W. So.</i>	206 Park St., Attleboro, Mass.
McPhee, P. D., <i>Fr.</i>	Hope 31
McPhee, R. W., <i>Sr.</i>	Hope 22
Maddaus, O., <i>Sp.</i>	Hope 8
Mahy, G. E., <i>W. Sr.</i>	40 Fourth St.
Mahy, Miss M. C., <i>Gr.</i>	40 Fourth St.
Maines, F., <i>Jr.</i>	University 41
Malcolm, J. J., <i>Sr.</i>	64 Doyle Ave.

MANATT, J. I., <i>Professor</i>	59 Charles Field St.
MANCHESTER, E. N., <i>Reference Librarian</i>	66 Meeting St.
MANNING, H. P., <i>Associate Professor</i>	258 Medway St.
MANSUR, F. L., <i>Fr.</i>	Maxcy 206
Marble, G. M., <i>W. Sp.</i>	21 Holden St., Attleboro, Mass.
MARCUS, P. V., <i>Gr.</i>	235 Orms St.
Marshall, A. I., <i>Jr.</i>	65 College St.
Marshall, M., <i>W. Fr.</i>	184 Meeting St.
Marshall, T. R., <i>Sr.</i>	Brunonia 4
MARSTON, E. L., <i>Trustee</i>	24 Broad St., New York, N. Y.
Marston, H. S., <i>Jr.</i>	54 College St.
Martin, A. R., <i>W. Sr.</i>	59 Keene St.
Martin, J. C., <i>Jr.</i>	155 Benefit St.
MARVEL, F. W., <i>Professor</i>	281 Olney St.
Maryott, A. J., <i>Jr.</i>	Hope 6
Mason, E. H., <i>Jr., Fr.</i>	Slater 7
MASON, E. W., <i>Trustee</i>	149 Waterman St.
Mason, F. F., <i>Jr.</i>	Hope 21
Mathieu, B. C., <i>W. Sr.</i>	379 Broad St., Central Falls, R. I.
MATTESON, G. A., <i>University Physician</i>	112 Prospect St.
Mattuck, G. F., <i>Sr.</i>	Caswell 14
Mattuck, J. A., <i>Gr.</i>	33 Angell St.
Mayer, E. B., <i>So.</i>	Slater 4
Mayer, F. W., <i>Sp.</i>	25 Glenwood Ave., Pawtucket, R. I.
Mayhew, J. W., <i>So.</i>	4 Manning St.
Mayo, B. L., <i>W. So.</i>	16 Humboldt Ave.
MEAD, A. D., <i>Professor</i>	283 Wayland Ave.
Meader, L. H., <i>Jr., So.</i>	Hope 22
Medbury, C. E., <i>W. Jr.</i>	219 Lowell Ave.
Mehan, L. A., <i>Jr.</i>	Hope 24
MEIKLEJOHN, A., <i>Dean of the University, Professor</i>	51 Arlington Ave.
Melden, A., <i>W. Sp.</i>	88 Providence St.
MERCER, Miss H. J., <i>Head Slater Memorial Homestead</i>	66 Benefit St.
Mercer, K., <i>Fr.</i>	54 College St.
Mercer, J. M., <i>So.</i>	Slater 7
Merritt, R. M., <i>Sr.</i>	100 Waterman St.
METCALF, S. O., <i>Trustee</i>	36 Exchange Place
Midgley, Miss Marion, <i>Gr.</i>	Arlington, R. I.
Miller, B. D., <i>Fr.</i>	Hope 31
Miller, H. E., <i>Sr.</i>	Hope 11
Miller, R. H., <i>Sr.</i>	4 Manning St.
Miller, T., <i>Jr.</i>	Hope 34
Miller, W. D., <i>So.</i>	Caswell 1



Minnerly, H. E., <i>Sp.</i>	Slater 20
Mitchell, F. M., <i>Gr.</i>	Wickford, R. I.
Mitchell, H. B., <i>Fr.</i>	31 Mitchell St.
Mitchell, M. E., <i>So.</i>	100 Waterman St.
Mitchell, R. E., <i>Jr.</i>	31 Willow St.
Mitchell, W. E. B., <i>So.</i>	Brunonia A
Mitchell, W. P., <i>So.</i>	268 Angell St.
Moffett, E. E., <i>Sp.</i>	Hope 21
Morgan, L. B., <i>W. Sr.</i>	184 Howell St.
Morgan, M. J., <i>W. So.</i>	184 Howell St.
Morgan, M. T., <i>Fr.</i>	Brunonia 1
Morrill, W. D., <i>Sp.</i>	University 34
Morris, E. M., <i>Fr.</i>	133 Prospect St.
Morrissey, J. H., Jr., <i>Fr.</i>	Bristol, R. I.
Morrison, E., <i>W. Fr.</i>	315 Broad St.
Morrison, W. S., <i>So.</i>	Hope 41
MORSE, A. S., <i>Assistant Professor</i>	North Scituate, R. I.
Morton, C. M., <i>W. Fr.</i>	135 Superior St.
Moulton, E. B., <i>Sr.</i>	Hope 23
Muir, A. W., <i>Fr.</i>	Hope 37
Munro, Miss E. G., <i>Gr.</i>	15 Washington Ave., Albany, N. Y.
Munro, H. B., <i>W. Sp.</i>	77 Lloyd Ave.
MUNRO, W. H., <i>Professor</i>	115 Butler Ave.
Murray, J. L., <i>Sp.</i>	Caswell 38
Nash, W. R., <i>So.</i>	University 27
Nason, R. C., <i>Jr.</i>	Brunonia 8
Nichols, M. B., <i>W. So.</i>	29 Portland St.
Nicholson, N. B., <i>W. Fr.</i>	57 John St.
Nickerson, I. L., <i>Sr.</i>	25 Osgood Ave., Manton, R. I.
Nicolson, D., <i>So.</i>	Hope 40
NORRIS, C. E., <i>Instructor</i>	Brunonia 8
Norton, W. C., <i>So.</i>	Brunonia 1
Nourse, C. L., <i>So.</i>	University 31
Nuttall, H., <i>Jr.</i>	University 40
Nutter, C. N., <i>Gr.</i>	101 Congdon St.
Nutter, L. H., <i>Jr.</i>	101 Congdon St.
Nye, S. T., <i>Sp.</i>	Natick, R. I.
Oakes, W. C., <i>Fr.</i>	Hope 15
OBEAR, G. B., <i>Assistant</i>	303 Benefit St.
O'Brien, M. L., <i>W. So.</i>	Mulberry St., Warren, R. I.
O'Connor, A. J., <i>Fr.</i>	Hope 1
O'Connor, F. W., <i>Sr.</i>	Brunonia 9
O'Connor, J. J., <i>Jr.</i>	University 50

- Oldfield, H. L., *Fr.*  
 Olsen, A. J., Jr., *Jr.*  
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 Palmer, J. H., *Gr.*  
 Palmer, R. M., *Fr.*  
 Paquet, R. J., *Sp.*  
 Parker, G. W., *Fr.*  
 Partridge, W., Jr., *Sr., Gr.*  
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 Payne, H. H., *So.*  
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 POLAND, W. C., *Professor*  
 PORTER, H. K., *Fellow*  
 Hope 45  
 28 Grand St.  
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 54 College St.  
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 101 Colonial Ave., Eden Park, R. I.  
 Slater 5  
 345 Orms St.  
 53 Lloyd Ave.  
 53 Lloyd Ave.  
 Pittsburgh, Pa.

Post, C. A., <i>Fr.</i>	Slater 6
POTTER, A. K., <i>Associate Professor</i>	220 Waterman St.
Potter, A. M., <i>W. Jr.</i>	145 Chester Ave.
Potter, E. J., <i>Sr.</i>	Hope 24
Potter, W. C., <i>Fr.</i>	Hope 27
Presbrey, A. E., <i>W. Jr.</i>	51 Niagara St.
Prescott, J. H., <i>Fr.</i>	175 Ontario St.
Price, J., <i>So.</i>	153 West Clifford St.
Prout, W. C., <i>Sp.</i>	Brunonia 9
Pryor, J. D., <i>Jr.</i>	4 Manning St.
Pyle, S. D., <i>Jr., Fr.</i>	Hope 40
<b>R</b> ADEKE, MRS. G., <i>Advisory Council, W.</i>	92 Prospect St.
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RANDALL, O. E., <i>Professor</i>	142 Larch St.
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Rausch, F. M., <i>W. Fr.</i>	14 Central St.
Ray, A., <i>Sp.</i>	62 College St.
Raybold, H. L., <i>W. Fr.</i>	125 Tobey St.
Raymond, W. P., <i>So.</i>	University 51
Raynor, E. P., <i>So.</i>	86 Cushing St.
Reckling, R. W., <i>Fr.</i>	Maxcy 320
Redford, C., <i>W. Sr.</i>	147 East Ave., Pawtucket, R. I.
Reese, L. A., <i>Gr.</i>	25 E. 28th St., New York, N. Y.
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Richards, M. A., <i>W. Fr.</i>	34 Peck St., Attleboro, Mass.
Richardson, D. V., <i>Jr.</i>	Hope 18
Richmond, L., <i>So.</i>	32 George St.
Riley, E. F., <i>W. Fr.</i>	69 Barnes St.
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Robinson, C. C., <i>W. So.</i>	27 Beacon Ave.
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Rose, F. L., <i>W. Fr.</i>	175 Bay View Ave., Edgewood, R. I.
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Schutz, L., <i>W. Sr.</i>	31 Daboll St.
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Scott, I. D., <i>W. So.</i>	435 Angell St.
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Shearer, H. B., <i>Sp.</i>	Brunonia 5
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Sheldon, B., <i>W. Sr.</i>	842 Plainfield St.

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Shinn, F. G., Jr.	Maxcy 316
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Simpson, P., Fr.	Brunonia 3
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Snow, A. C., Sr.	Slater 15
Sooy, N. H., So.	Brunonia 2
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Stearns, H. B., So.	Hope 14

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Streeter, M. L., <i>Sr.</i>	Maxcy 210
Strickler, G. F., <i>So.</i>	University 28
Sturdy, B. A., <i>W. Jr.</i>	53 Haskins St.
Sturdy, H. K., <i>Jr., Jr.</i>	Slater 6
Sturgis, H. G., <i>So.</i>	Slater 15
Suffa, M. C., <i>W. Fr.</i>	19 Camp St.
Sullivan, J. J., <i>So.</i>	Hope 14
SULLIVAN, M. X., <i>Instructor</i>	Brunonia 6
Sullivan, R. J. B., <i>So.</i>	Slater 2
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Swaffield, H. A., <i>Fr.</i>	Hope 37
Swain, L. E., <i>Jr.</i>	Caswell 25
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Sweet, H. N., <i>Sr.</i>	Hope 4
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Symmes, R. T., <i>Fr.</i>	Hope 16
Taber, H. A., <i>Fr.</i>	383 Hope St.
Tandy, E. W., <i>Fr.</i>	Caswell 26
Tanner, H. B., <i>So.</i>	Hope 33
Tarr, A. E., <i>W. Fr.</i>	66 Benefit St.
Taylor, F. C., <i>So.</i>	Hope 36
Taylor, G. D., <i>Jr.</i>	Slater 20
Thacher, H. B., <i>Sp.</i>	58 College St.
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Thomas, E. A., <i>Fr.</i>	Drownville, R. I.
Thornton, E., <i>W. Fr.</i>	103 Clay St., Pawtucket, R. I.
Thurlow, H. H., <i>Sr., Gr.</i>	Brunonia 10
Tift, R. F., <i>Sr.</i>	Brunonia 4
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TILLINGHAST, Miss C. L., <i>Advisory Council, W.</i>	260 Angell St.
Tinkham, S. G., <i>So.</i>	32 Custom House St.
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Tukesbury, H. M., <i>Fr.</i>	Brunonia 14
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Updyke, F. A., <i>Gr.</i>	Delavan, Wis.
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Varnum, L. E., <i>Jr.</i>	39 Parkis Ave.
Vartanian, A., <i>Sp.</i>	186 Cranston St.
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Von Bargen, H. R., <i>So.</i>	155 Benefit St.
VON KLENZE, C., <i>Professor</i>	125 Lloyd Ave.
Von Tobel, R. G., <i>Sr.</i>	55 Chestnut St.
Walcott, C. H., <i>Fr.</i>	Hope 19
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Walker, H. A., <i>Sr.</i>	University 44
WALKER, J. H., <i>Trustee</i>	Worcester, Mass.
Walker, L. S., <i>Fr.</i>	Slater 10
Wall, E. W., <i>Fr.</i>	Maxcy 212
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WALTER, H. E., <i>Assistant Professor</i>	53 Arlington Ave.
Ward, C. B., <i>Fr.</i>	Maxcy 431
Ward, C. H., 2d, <i>So.</i>	University 33
WARD, L. F., <i>Professor</i>	Caswell 35
Wardwell, S. C., <i>Sp.</i>	Hope 9
WARE, G. W., <i>Director of Chapel Music</i>	10 Shepard St.
Warren, C. F., <i>So.</i>	Hope 12
Washburn, E. M., <i>W. Sr.</i>	159 Cross St., Central Falls, R. I.
Washburn, A. O., <i>Gr.</i>	Maxcy 211
Waterhouse, R. M., <i>Fr.</i>	Brunonia 5
Waters, C. C., <i>Gr.</i>	32 President Ave.
Wathen, A. W., <i>Sr.</i>	University 18
WATSON, A. E., <i>Assistant Professor</i>	30 Congdon St.
Watson, E. M., <i>Sr.</i>	Caswell 16
Watters, H. E., <i>Gr.</i>	Martin, Tenn.

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 Wilmot, J., *Jr.*
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Wilmot, S., <i>So.</i>	Maxcy 210
WILSON, G. G., <i>Professor</i>	176 Medway St.
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Winslow, S. S., <i>Jr.</i>	University 4
Winsor, H. D., <i>So.</i>	60 Hamilton St.
Winsor, L. A., <i>W. Sr.</i>	132 Lowell Ave.
Wood, C. M., <i>Fr.</i>	University 55
Wood, I. S., <i>W. Fr.</i>	137 Carpenter St.
Woodbury, W. E., <i>Gr.</i>	Caswell 29
Woods, J. C. B., <i>Trustee</i>	62 Prospect St.
Worsley, P. A., <i>Jr.</i>	22 Rosedale St.
Wright, S. E., <i>Gr.</i>	University 30
Wyman, G. H., <i>Jr.</i>	Hope 29
Yorganjian, M. H., <i>Fr.</i>	17 Washburn St.
Young, A. J., <i>Fr.</i>	Hope 47
Young, A. L., <i>Gr.</i>	<i>Colby Academy, New London, N. H.</i>
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Young, M. D., <i>Sp.</i>	University 1
Young, P. L., <i>Jr.</i>	Caswell 5
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